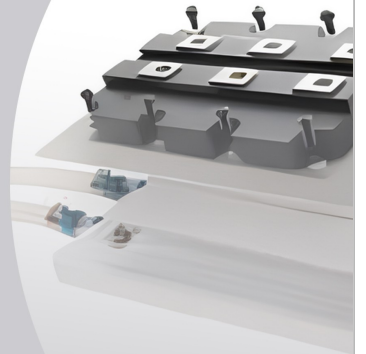




2025 JARO THERMAL SOLUTIONS

Comprehensive Guide to Heat Sinks & Coolers.



LED HEATSINKS

JtraLED Series	P02
JFanLED Series	P04
JXLED Series	P05
JGOLED Series	P07

FORGED HEATSINKS

Round Series	P09
Quadrilateral Series	P16

EXTRUDED HEATSINKS

PCB Mount Series	P19
BGA Series	P27
Extruded Profiles	P29

STAMPED HEATSINKS

Stamped Heatsinks	P36
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HEATSINK ACCESSORIES

Clips	P43
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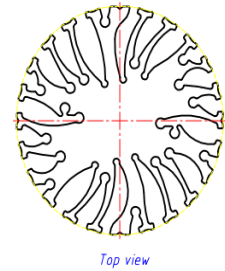
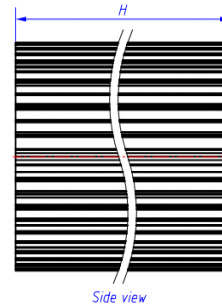
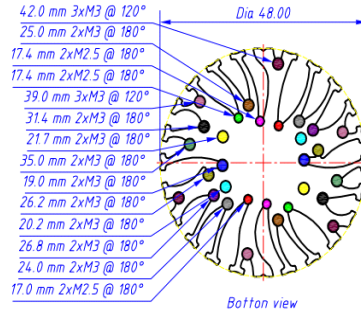
COOLERS

Chip Coolers	P45
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LIQUID COOLING PLATES

Embedded Tube Cooling Plates	P46
FSW (Friction Stir Welding) Cooling Plates.....	P50

4820 / 4850 / 4880



Star Heat Sinks Φ48mm for COB Modular Product Brief

- * Mechanical compatibility with direct mounting of the LED modules to the LED cooler and thermal performance matching the lumen packages.
- * Thermal resistance range Rth(7.69°C/W; 5.0°C/W; 4.17°C/W).
- * Modular design with mounting holes foreseen for direct mounting of a wide range of LED modules and COB's.
- * Diameter 48mm - Standard height 20.0mm / 50.0mm / 80.0mm , Other heights on request.
- * Extruded from highly conductive aluminum AL6063-T5.

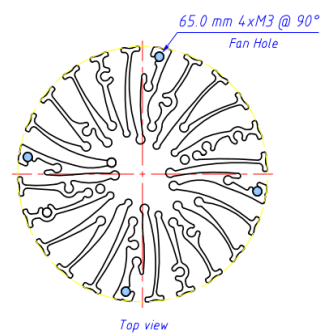
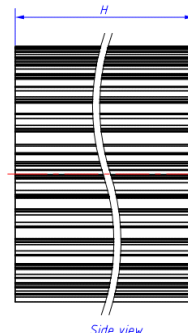
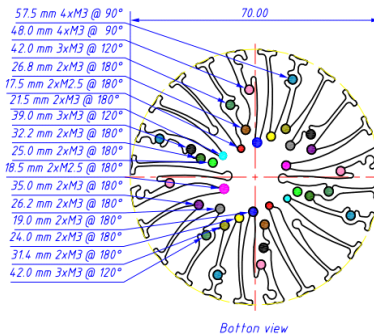
Order Information

Example:JtraLED-4820-B

JtraLED - 48

Hight (mm)	Anodized Color
20	B : Black
50	C : Clear
80	Z : Custom

7020 / 7050 / 7080



Star Heat Sinks Φ70mm for COB Modular Product Brief

- * Mechanical compatibility with direct mounting of the LED modules to the LED cooler and thermal performance matching the lumen packages.
- * Thermal resistance range Rth(3.7°C/W; 2.5°C/W; 2.08°C/W).
- * Modular design with mounting holes foreseen for direct mounting of a wide range of LED modules and COB's.
- * Diameter 70mm - Standard height 20.0mm / 50.0mm / 80.0mm , Other heights on request.
- * Extruded from highly conductive aluminum AL6063-T5.

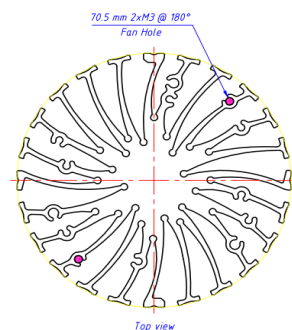
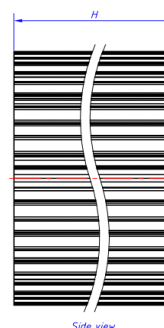
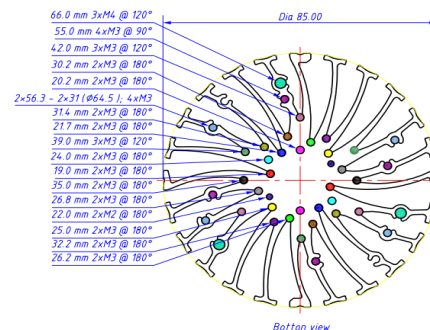
Order Information

Example:JtraLED-7020-B

JtraLED - 70

Hight (mm)	Anodized Color
20	B : Black
50	C : Clear
80	Z : Custom

8520 / 8550 / 8580



Star Heat Sinks Φ85mm for COB Modular Product Brief

- * Mechanical compatibility with direct mounting of the LED modules to the LED cooler and thermal performance matching the lumen packages.
- * Thermal resistance range Rth(2.38°C/W; 1.72°C/W; 1.47°C/W).
- * Modular design with mounting holes foreseen for direct mounting of a wide range of LED modules and COB's.
- * Diameter 85mm - Standard height 20.0mm / 50.0mm / 80.0mm , Other heights on request.
- * Extruded from highly conductive aluminum AL6063-T5.

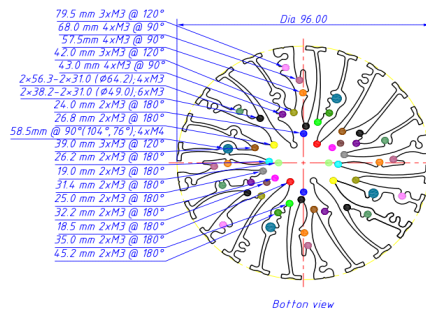
Order Information

Example:JtraLED-8520-B

JtraLED - 85

Hight (mm)	Anodized Color
20	B : Black
50	C : Clear
80	Z : Custom

9620 / 9650 / 9680



Star Heat Sinks Ø96mm for COB Modular Product Brief

- * Mechanical compatibility with direct mounting of the LED modules to the LED cooler.
- * Thermal resistance range $R_{th}(2.08^{\circ}\text{C/W}; 1.45^{\circ}\text{C/W}; 1.2^{\circ}\text{C/W})$.
- * Modular design with mounting holes foreseen for direct mounting of a wide range of LED modules and COB's.
- * Diameter 96mm - Standard height 20.0mm / 50.0mm / 80.0mm , Other heights on request.
- * Extruded from highly conductive aluminum AL6063-T5.

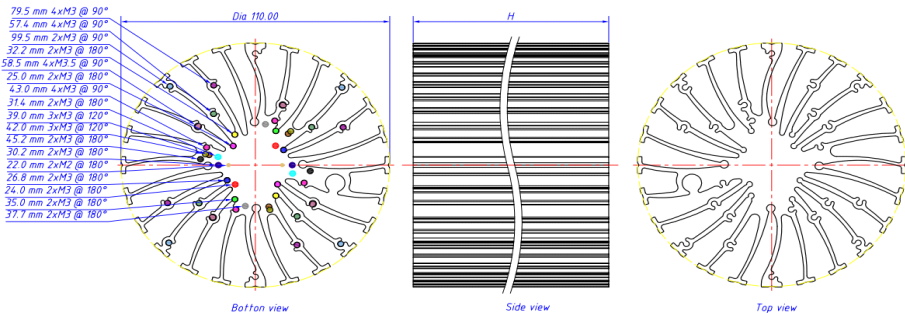
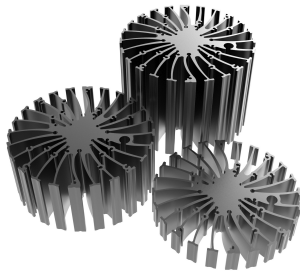
Order Information

Example: JtraLED-9620-B

JtraLED - 96

Hight (mm)	Anodized Color
20	B : Black
50	C : Clear
80	Z : Custom

11020 / 11050 / 11080



Star Heat Sinks Ø110mm for COB Modular Product Brief

- * Mechanical compatibility with direct mounting of the LED modules to the LED cooler.
- * Thermal resistance range $R_{th}(1.79^{\circ}\text{C/W}; 1.22^{\circ}\text{C/W}; 1.03^{\circ}\text{C/W})$.
- * Modular design with mounting holes foreseen for direct mounting of a wide range of LED modules and COB's.
- * Diameter 110mm - Standard height 20.0mm / 50.0mm / 80.0mm , Other heights on request.
- * Extruded from highly conductive aluminum AL6063-T5.

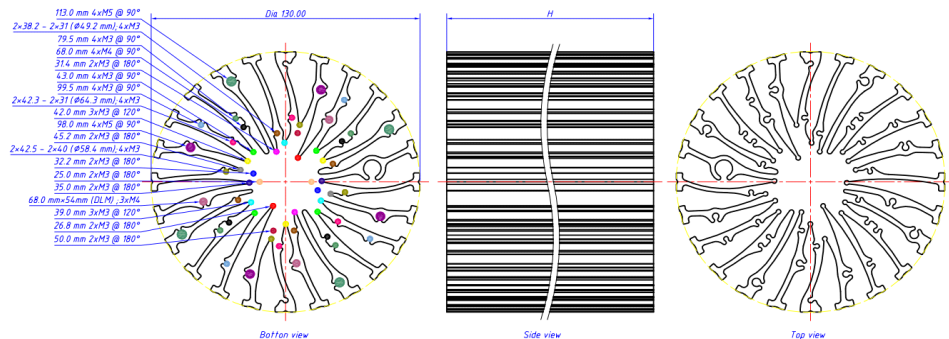
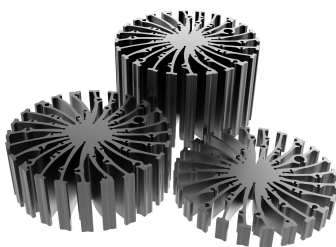
Order Information

Example: JtraLED-11020-B

JtraLED - 110

Hight (mm)	Anodized Color
20	B : Black
50	C : Clear
80	Z : Custom

13020 / 13050 / 13080



Star Heat Sinks Ø130mm for COB Modular Product Brief

- * Mechanical compatibility with direct mounting of the LED modules to the LED cooler.
- * Thermal resistance range $R_{th}(1.39^{\circ}\text{C/W}; 1.02^{\circ}\text{C/W}; 0.83^{\circ}\text{C/W})$.
- * Modular design with mounting holes foreseen for direct mounting of a wide range of LED modules and COB's.
- * Diameter 130mm - Standard height 20.0mm / 50.0mm / 80.0mm , Other heights on request.
- * Extruded from highly conductive aluminum AL6063-T5.

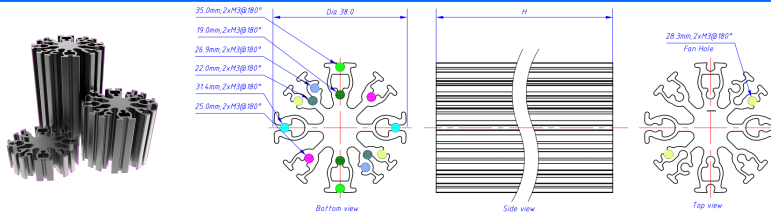
Order Information

Example: JtraLED-13020-B

JtraLED - 130

Hight (mm)	Anodized Color
20	B : Black
50	C : Clear
80	Z : Custom

3820 / 3850 / 3880

**Star Heat Sinks Φ38mm for COB Modular Product Brief**

- * Mechanical compatibility with direct mounting of the LED modules to the LED cooler.
- * Thermal resistance range R_{th} (10.9°C/W; 6.9°C/W; 5.2°C/W).
- * Modular design with mounting holes foreseen for direct mounting of a wide range of LED modules and COB's.
- * Diameter 38mm - Standard height 20.0mm / 50.0mm / 80.0mm , Other heights on request.
- * Extruded from highly conductive aluminum AL6063-T5.

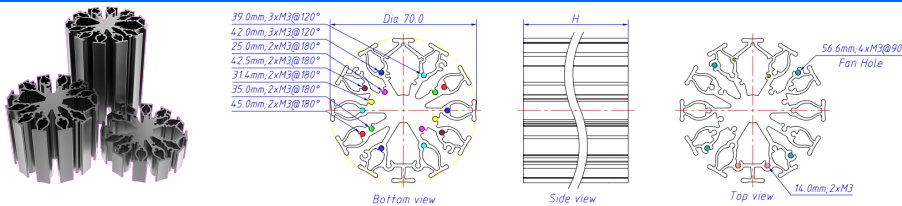
Order Information

Example: JFanLED-3820-B

JFanLED - 38

Hight (mm)	Anodized Color
20	B : Black
50	C : Clear
80	Z : Custom

7020 / 7050 / 7080

**Star Heat Sinks Φ70mm for COB Modular Product Brief**

- * Mechanical compatibility with direct mounting of the LED modules to the LED cooler.
- * Thermal resistance range R_{th} (3.7°C/W; 2.3°C/W; 1.9°C/W).
- * Modular design with mounting holes foreseen for direct mounting of a wide range of LED modules and COB's.
- * Diameter 70mm - Standard height 20.0mm / 50.0mm / 80.0mm , Other heights on request.
- * Extruded from highly conductive aluminum AL6063-T5.

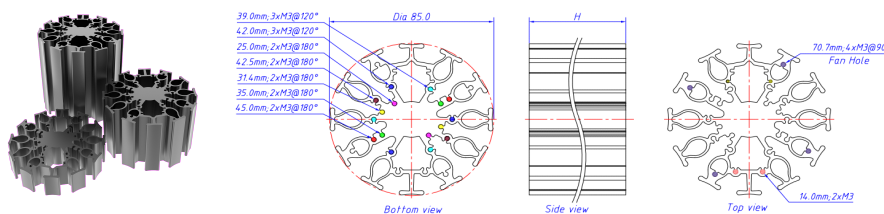
Order Information

Example: JFanLED-7020-B

JFanLED - 70

Hight (mm)	Anodized Color
20	B : Black
50	C : Clear
80	Z : Custom

8520 / 8550 / 8580

**Star Heat Sinks Φ85mm for COB Modular Product Brief**

- * Mechanical compatibility with direct mounting of the LED modules to the LED cooler.
- * Thermal resistance range R_{th} (2.6°C/W; 1.7°C/W; 1.3°C/W).
- * Modular design with mounting holes foreseen for direct mounting of a wide range of LED modules and COB's.
- * Diameter 85mm - Standard height 20.0mm / 50.0mm / 80.0mm , Other heights on request.
- * Extruded from highly conductive aluminum AL6063-T5.

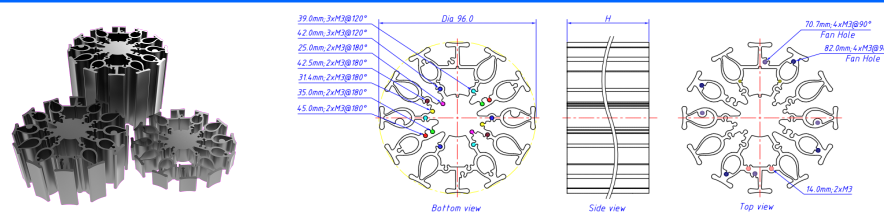
Order Information

Example: JFanLED-8520-B

JFanLED - 85

Hight (mm)	Anodized Color
20	B : Black
50	C : Clear
80	Z : Custom

9620 / 9650 / 9680

**Star Heat Sinks Φ96mm for COB Modular Product Brief**

- * Mechanical compatibility with direct mounting of the LED modules to the LED cooler.
- * Thermal resistance range R_{th} (2.2°C/W; 1.3°C/W; 1.0°C/W).
- * Modular design with mounting holes foreseen for direct mounting of a wide range of LED modules and COB's.
- * Diameter 96mm - Standard height 20.0mm / 50.0mm / 80.0mm , Other heights on request.
- * Extruded from highly conductive aluminum AL6063-T5.

Order Information

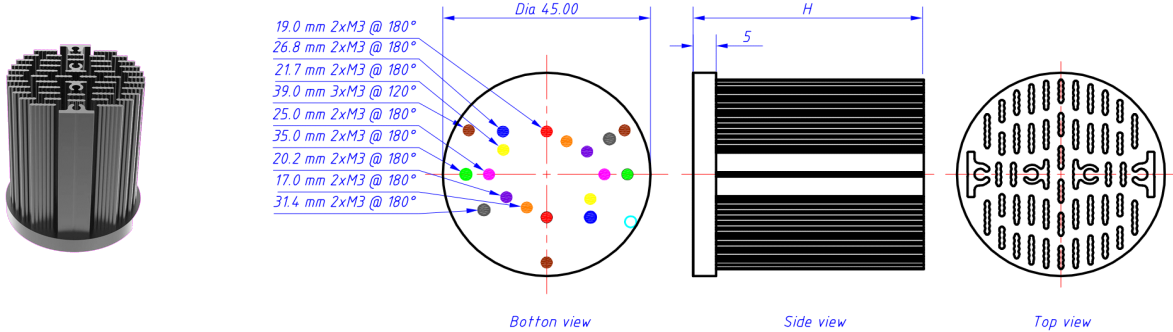
Example: JFanLED-9620-B

JFanLED - 96

Hight (mm)	Anodized Color
20	B : Black
50	C : Clear
80	Z : Custom

JXLED Series

4530 / 4550 / 4568

**Slot Fins Heat Sink $\Phi 45$ mm for COB Modular Product Brief**

- * Mechanical compatibility with direct mounting of the LED modules to the LED cooler.
- * Thermal resistance range $R_{th}(7.14^{\circ}\text{C/W}; 5.55^{\circ}\text{C/W}; 4.60^{\circ}\text{C/W})$.
- * Modular design with mounting holes foreseen for direct mounting of a wide range of LED modules and COB's.
- * Diameter 45mm - Standard height 30.0mm / 50.0mm / 68.0mm , Other heights on request.
- * Forged from highly conductive aluminum AL1070.

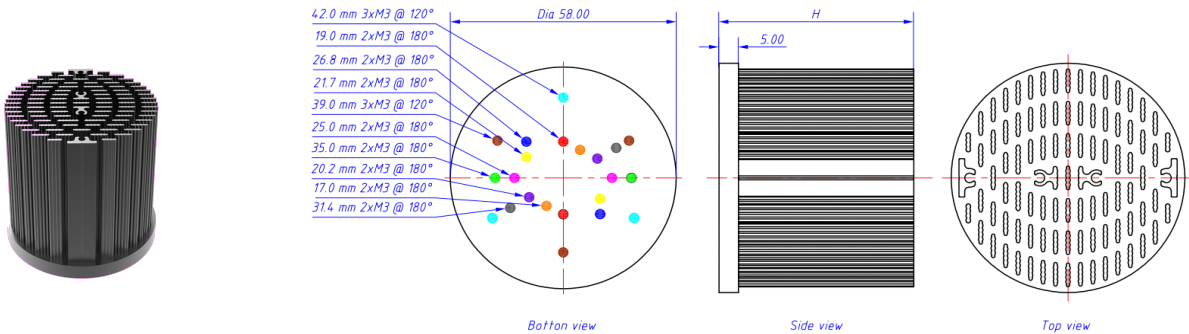
Order Information

Example: JXLED-4530-B

JXLED - 45

Height (mm)	Anodized Color
30	B : Black
50	C : Clear
68	Z : Custom

6030 / 6050 / 6080

**Slot Heat Sinks $\Phi 60$ mm for COB Modular Product Brief**

- * Mechanical compatibility with direct mounting of the LED modules to the LED cooler.
- * Thermal resistance range $R_{th}(5.0^{\circ}\text{C/W}; 3.85^{\circ}\text{C/W}; 4.17^{\circ}\text{C/W})$.
- * Modular design with mounting holes foreseen for direct mounting of a wide range of LED modules and COB's.
- * Diameter 60mm - Standard height 30.0mm / 50.0mm / 80.0mm , Other heights on request.
- * Forged from highly conductive aluminum AL1070.

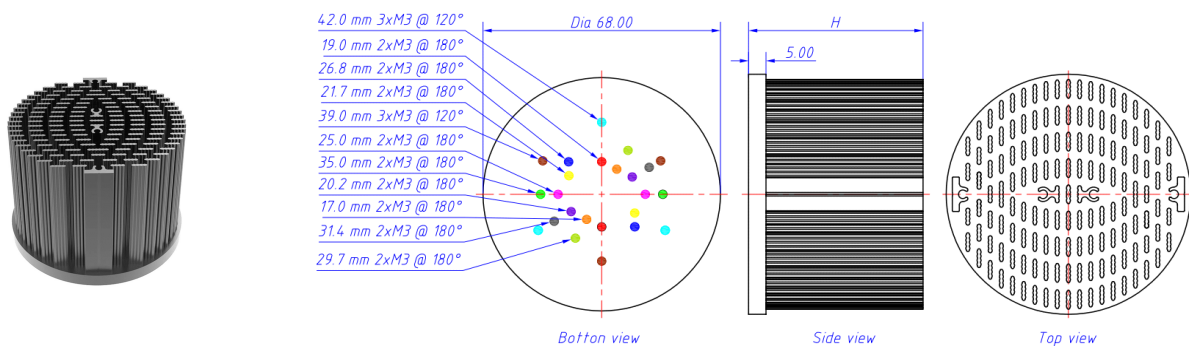
Order Information

Example: JXLED-6030-B

JXLED - 60

Height (mm)	Anodized Color
30	B : Black
50	C : Clear
80	Z : Custom

7030 / 7050 / 7080

**Slot Heat Sinks $\Phi 70$ mm for COB Modular Product Brief**

- * Mechanical compatibility with direct mounting of the LED modules to the LED cooler.
- * Thermal resistance range $R_{th}(3.85^{\circ}\text{C/W}; 3.13^{\circ}\text{C/W}; 1.98^{\circ}\text{C/W})$.
- * Modular design with mounting holes foreseen for direct mounting of a wide range of LED modules and COB's.
- * Diameter 70mm - Standard height 30.0mm / 50.0mm / 80.0mm , Other heights on request.
- * Forged from highly conductive aluminum AL1070.

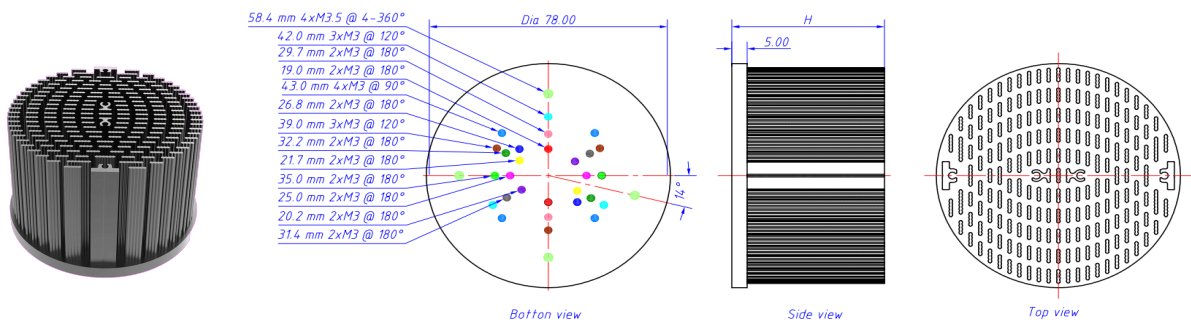
Order Information

Example: JXLED-7030-B

JXLED - 70

Height (mm)	Anodized Color
30	B : Black
50	C : Clear
80	Z : Custom

8030 / 8050 / 8088



Slot Fins Heat Sink Ø80mm for COB Modular Product Brief

- * Mechanical compatibility with direct mounting of the LED modules to the LED cooler.
- * Thermal resistance range R_{th} (3.13°C/W; 2.38°C/W; 2.08°C/W).
- * Modular design with mounting holes foreseen for direct mounting of a wide range of LED modules and COB's.
- * Diameter 80mm - Standard height 30.0mm / 50.0mm / 80.0mm , Other heights on request.
- * Forged from highly conductive aluminum AL1070.

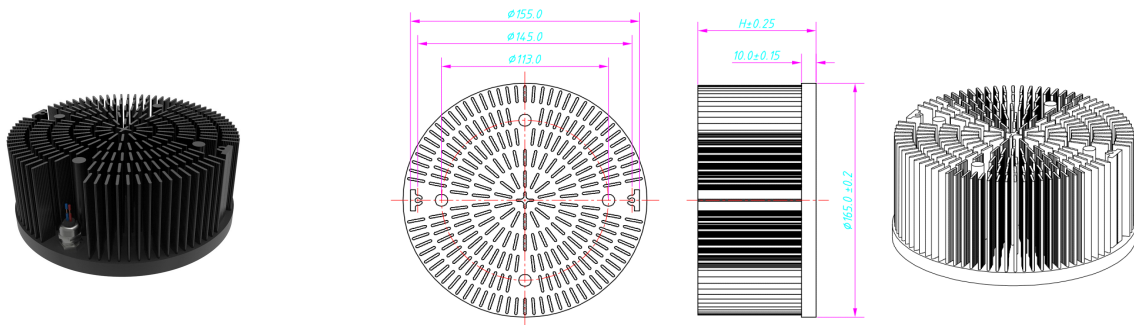
Order Information

Example:JXLED-8030-B

JXLED - 80

Hight (mm)	Anodized Color
30	B : Black
50	C : Clear
80	Z : Custom

16530 / 16560 / 165100



Passive Pin Fin Heatsink Φ165mm

- * Mechanical compatibility with direct mounting of the SMD products to the LED cooler.
- * Thermal resistance range R_{th} (0.91°C/W; 0.55°C/W; 0.42°C/W).
- * Diameter 165mm - Standard height 30.0mm / 60.0mm / 100.0mm , Other heights on request.
- * Forged from highly conductive aluminum AL1070.

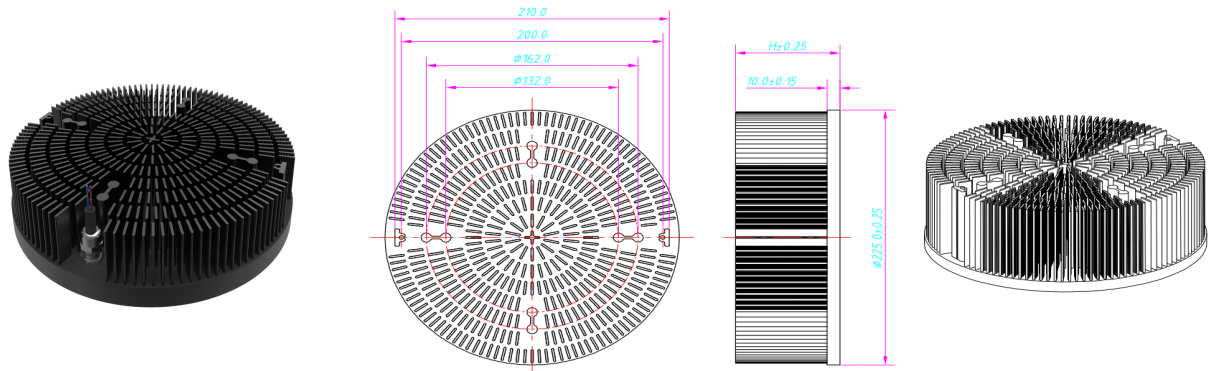
Order Information

Example:JXLED-16530-B

JXLED - 165

Hight (mm)	Anodized Color
30	B : Black
60	C : Clear
100	Z : Custom

22530 / 22560 / 225100



Passive Pin Fin Heatsink Φ225mm

- * Mechanical compatibility with direct mounting of the SMD products to the LED cooler.
- * Thermal resistance range R_{th} (0.63°C/W; 0.34°C/W; 0.26°C/W).
- * Diameter 225mm - Standard height 30.0mm / 60.0mm / 100.0mm , Other heights on request.
- * Forged from highly conductive aluminum AL1070.

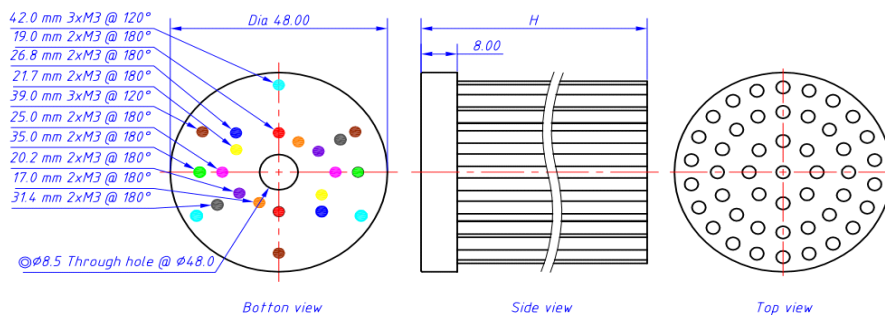
Example:JXLED-22530-B

JXLED - 225

Hight (mm)	Anodized Color
30	B : Black
60	C : Clear
100	Z : Custom

JGOLED Series

4830 / 4850 / 4868

Pin Fin Sinks Φ 48mm for COB Modular Product Brief

- * Mechanical compatibility with direct mounting of the LED modules to the LED cooler.
- * Thermal resistance range R_{th} (6.25°C/W; 5.0°C/W; 4.17°C/W).
- * Modular design with mounting holes foreseen for direct mounting of a wide range of LED modules and COB's.
- * Diameter 48mm - Standard height 30.0mm / 50.0mm / 68.0mm , Other heights on request.
- * Forged from highly conductive aluminum AL1070.

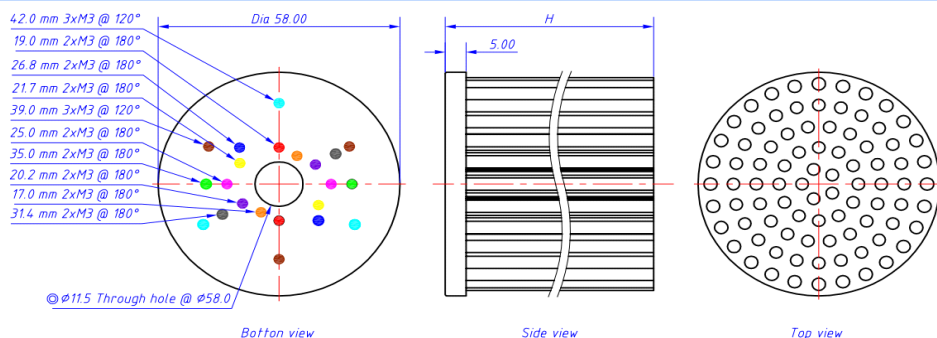
Order Information

Example:JGOLED-4830-B

JGOLED - 48

Hight (mm)	Anodized Color
30	B : Black
50	C : Clear
68	Z : Custom

5830 / 5850 / 5880

Pin Fin Sinks Φ 58mm for COB Modular Product Brief

- * Mechanical compatibility with direct mounting of the LED modules to the LED cooler.
- * Thermal resistance range R_{th} (5.0°C/W; 3.85°C/W; 3.34°C/W).
- * Modular design with mounting holes foreseen for direct mounting of a wide range of LED modules and COB's.
- * Diameter 58mm - Standard height 30.0mm / 50.0mm / 80.0mm , Other heights on request.
- * Forged from highly conductive aluminum AL1070.

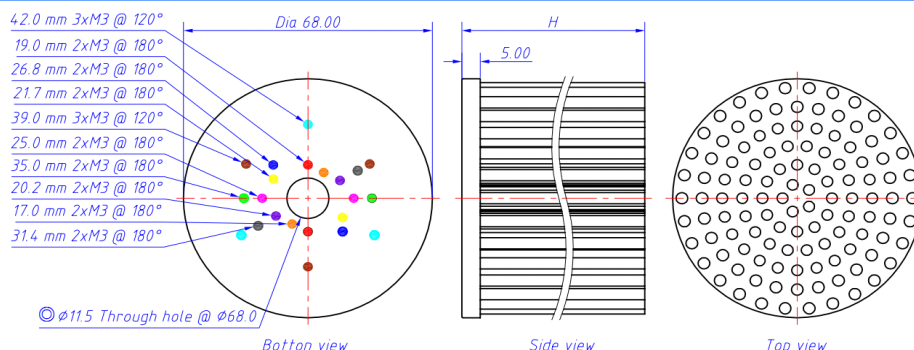
Order Information

Example:JGOLED-5830-B

JGOLED - 58

Hight (mm)	Anodized Color
30	B : Black
50	C : Clear
80	Z : Custom

6830 / 6850 / 6880

Pin Fin Sinks Φ 68mm for COB Modular Product Brief

- * Mechanical compatibility with direct mounting of the LED modules to the LED cooler.
- * Thermal resistance range R_{th} (4.0°C/W; 3.23°C/W; 3.08°C/W).
- * Modular design with mounting holes foreseen for direct mounting of a wide range of LED modules and COB's.
- * Diameter 68mm - Standard height 30.0mm / 50.0mm / 80.0mm , Other heights on request.
- * Forged from highly conductive aluminum AL1070.

Order Information

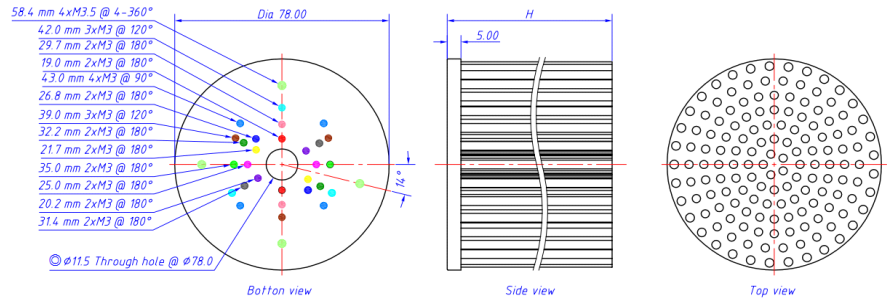
Example:JGOLED-6830-B

JGOLED - 68

Hight (mm)	Anodized Color
30	B : Black
50	C : Clear
80	Z : Custom

JGOLED Series

7830 / 7850 / 7880



Pin Fin Sinks Ø78mm for COB Modular Product Brief

- * Mechanical compatibility with direct mounting of the LED modules to the LED cooler.
- * Thermal resistance range R_{th} (3.03°C/W; 2.33°C/W; 2.08°C/W).
- * Modular design with mounting holes foreseen for direct mounting of a wide range of LED modules and COB's.
- * Diameter 78mm - Standard height 30.0mm / 50.0mm / 80.0mm , Other heights on request.
- * Forged from highly conductive aluminum AL1070.

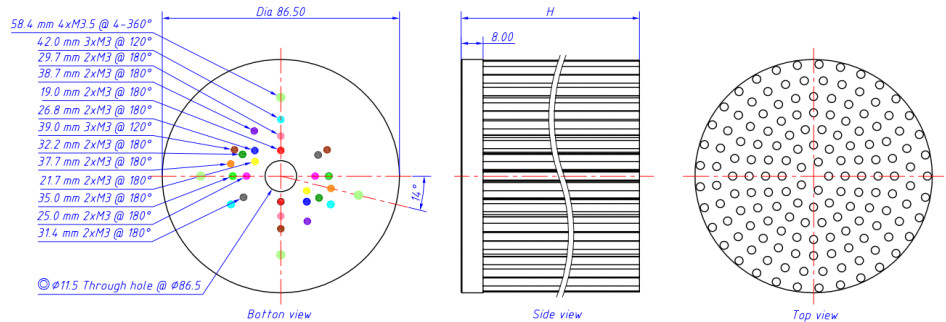
Order Information

Example:JGOLED-7830-B

JGOLED - 78

Height (mm)	Anodized Color
30	B : Black
50	C : Clear
80	Z : Custom

8630 / 8650 / 8665



Pin Fin Sinks Ø86mm for COB Modular Product Brief

- * Mechanical compatibility with direct mounting of the LED modules to the LED cooler.
- * Thermal resistance range R_{th} (2.5°C/W; 1.85°C/W; 1.56°C/W).
- * Modular design with mounting holes foreseen for direct mounting of a wide range of LED modules and COB's.
- * Diameter 86mm - Standard height 30.0mm / 50.0mm / 65.0mm , Other heights on request.
- * Forged from highly conductive aluminum AL1070.

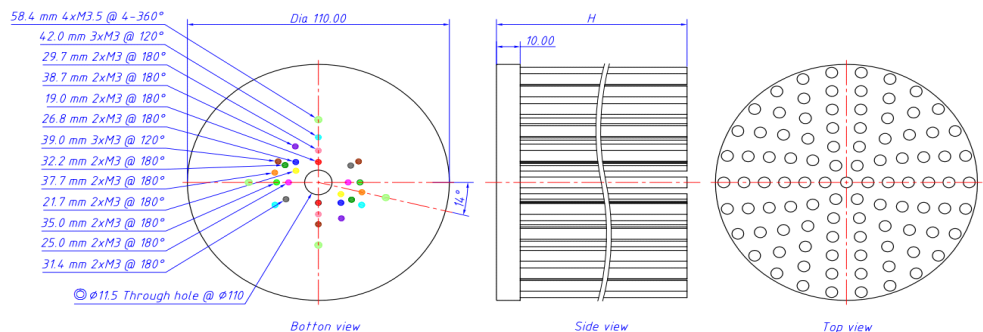
Order Information

Example:JGOLED-8630-B

JGOLED - 86

Height (mm)	Anodized Color
30	B : Black
50	C : Clear
65	Z : Custom

11050 / 11080 / 110100



Pin Fin Sinks Ø110mm for COB Modular Product Brief

- * Mechanical compatibility with direct mounting of the LED modules to the LED cooler.
- * Thermal resistance range R_{th} (1.47°C/W; 1.14°C/W; 1.0°C/W).
- * Modular design with mounting holes foreseen for direct mounting of a wide range of LED modules and COB's.
- * Diameter 110mm - Standard height 50.0mm / 80.0mm / 100.0mm , Other heights on request.
- * Forged from highly conductive aluminum AL1070.

Order Information

Example:JGOLED-11050-B

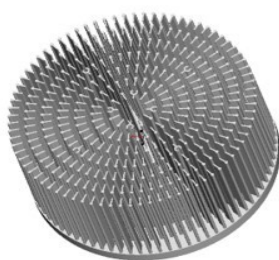
JGOLED - 110

Height (mm)	Anodized Color
50	B : Black
80	C : Clear
100	Z : Custom

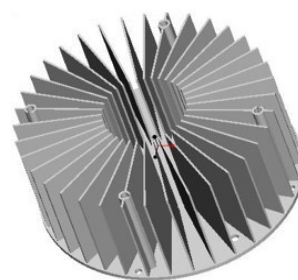
Round Series (Dia.150mm ↑)

JCHAF0011

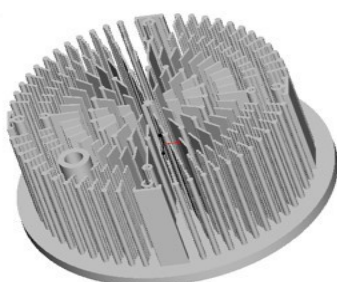
Dimensions (mm) : D151 / H60 / T10
 Material : AL 1050 / 1060 / 1070 / 6063
 Finish : Anodized / Clean

JCHAF0012

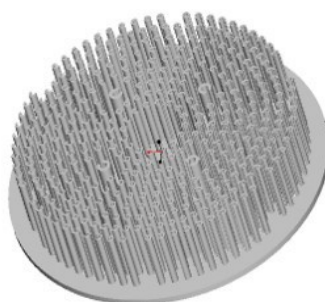
Dimensions (mm) : D151 / H50 / T5
 Material : AL 1050 / 1060 / 1070 / 6063
 Finish : Anodized / Clean

JCHAF0036

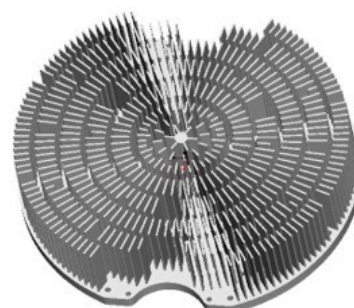
Dimensions (mm) : D152 / H73.7 / T3
 Material : AL 1050 / 1060 / 1070 / 6063
 Finish : Anodized / Clean

JCHAF0044

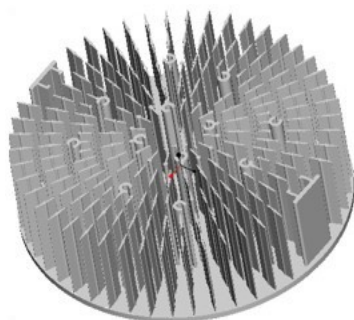
Dimensions (mm) : D180 / H80 / T8
 Material : AL 1050 / 1060 / 1070 / 6063
 Finish : Anodized / Clean

JCHAF0045

Dimensions (mm) : D209 / H50 / T7
 Material : AL 1050 / 1060 / 1070 / 6063
 Finish : Anodized / Clean

JCHAF0047

Dimensions (mm) : D210 / H35 / T5
 Material : AL 1050 / 1060 / 1070 / 6063
 Finish : Anodized / Clean

JCHAF0053

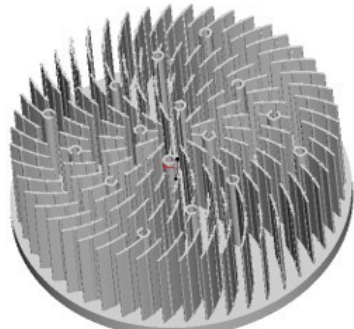
Dimensions (mm) : D220 / H70 / T5
 Material : AL 1050 / 1060 / 1070 / 6063
 Finish : Anodized / Clean

JCHAF0054

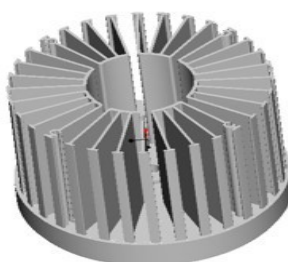
Dimensions (mm) : D165 / H60 / T25
 Material : AL 1050 / 1060 / 1070 / 6063
 Finish : Anodized / Clean

JCHAF0073

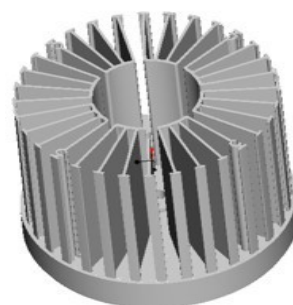
Dimensions (mm) : D167.5 / H90
 Material : AL 1050 / 1060 / 1070 / 6063
 Finish : Anodized / Clean

JCHAF0076

Dimensions (mm) : D224 / H73
 Material : AL 1050 / 1060 / 1070 / 6063
 Finish : Anodized / Clean

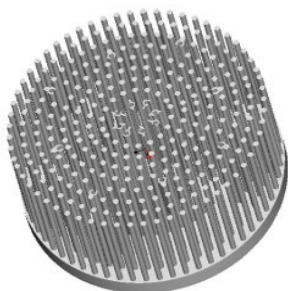
JCHAF0081

Dimensions (mm) : D180 / H120
 Material : AL 1050 / 1060 / 1070 / 6063
 Finish : Anodized / Clean

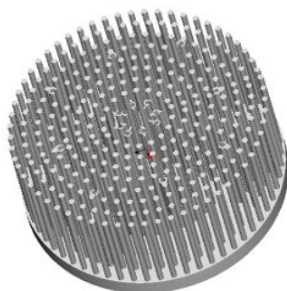
JCHAF0082

Dimensions (mm) : D180 / H150
 Material : AL 1050 / 1060 / 1070 / 6063
 Finish : Anodized / Clean

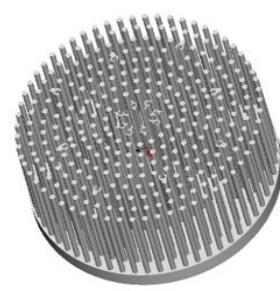
Round Series (Dia.100mm ~ 149mm)

JCHAF0001

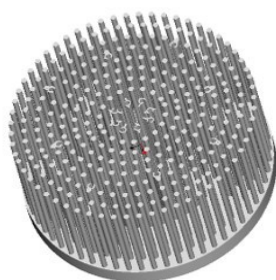
Dimensions (mm) : D143 / H70 / T10
 Material : AL 1050 / 1060 / 1070 / 6063
 Finish : Anodized / Clean

JCHAF0002

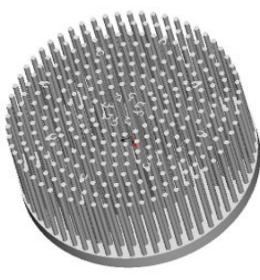
Dimensions (mm) : D140 / H63 / T10
 Material : AL 1050 / 1060 / 1070 / 6063
 Finish : Anodized / Clean

JCHAF0003

Dimensions (mm) : D130 / H50 / T10
 Material : AL 1050 / 1060 / 1070 / 6063
 Finish : Anodized / Clean

JCHAF0004

Dimensions (mm) : D125 / H50 / T10
 Material : AL 1050 / 1060 / 1070 / 6063
 Finish : Anodized / Clean

JCHAF0005

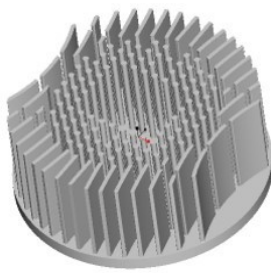
Dimensions (mm) : D110 / H50 / T10
 Material : AL 1050 / 1060 / 1070 / 6063
 Finish : Anodized / Clean

JCHAF0013

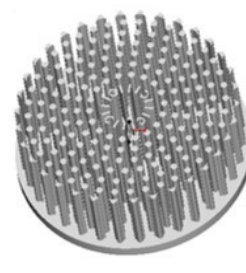
Dimensions (mm) : D131 / H50 / T5
 Material : AL 1050 / 1060 / 1070 / 6063
 Finish : Anodized / Clean

JCHAF0014

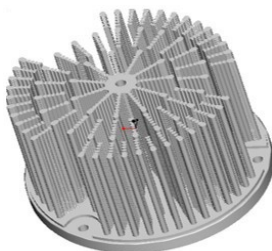
Dimensions (mm) : D111 / H50 / T5
 Material : AL 1050 / 1060 / 1070 / 6063
 Finish : Anodized / Clean

JCHAF0018

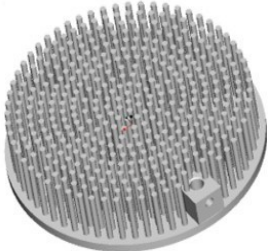
Dimensions (mm) : D126 / H48 / T6
 Material : AL 1050 / 1060 / 1070 / 6063
 Finish : Anodized / Clean

JCHAF0023

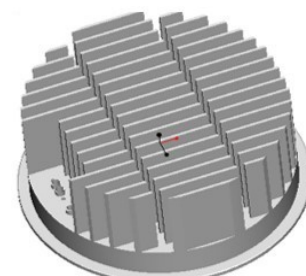
Dimensions (mm) : D105 / H50 / T5
 Material : AL 1050 / 1060 / 1070 / 6063
 Finish : Anodized / Clean

JCHAF0032

Dimensions (mm) : D118.5 / H78 / T9
 Material : AL 1050 / 1060 / 1070 / 6063
 Finish : Anodized / Clean

JCHAF0035

Dimensions (mm) : D133 / H32 / T5
 Material : AL 1050 / 1060 / 1070 / 6063
 Finish : Anodized / Clean

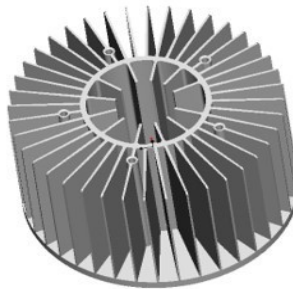
JCHAF0041

Dimensions (mm) : D143.5 / H80 / T24.9
 Material : AL 1050 / 1060 / 1070 / 6063
 Finish : Anodized / Clean

Round Series (Dia.100mm ~ 149mm)

JCHAF0046

Dimensions (mm) : D144 / H30 / T5
 Material : AL 1050 / 1060 / 1070 / 6063
 Finish : Anodized / Clean

JCHAF0048

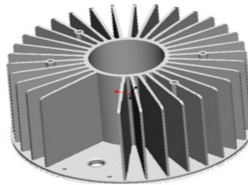
Dimensions (mm) : D140 / H100 / T6
 Material : AL 1050 / 1060 / 1070 / 6063
 Finish : Anodized / Clean

JCHAF0052

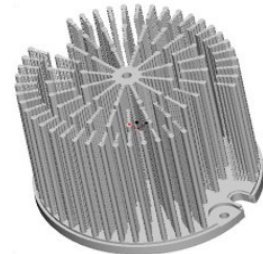
Dimensions (mm) : D140 / H90 / T9
 Material : AL 1050 / 1060 / 1070 / 6063
 Finish : Anodized / Clean

JCHAF0059

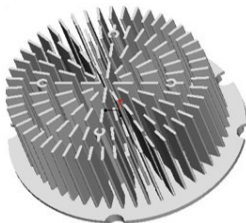
Dimensions (mm) : D128.5 / H128 / T8
 Material : AL 1050 / 1060 / 1070 / 6063
 Finish : Anodized / Clean

JCHAF0060

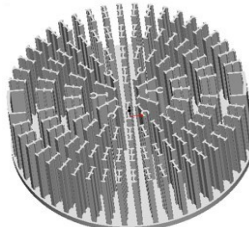
Dimensions (mm) : D128.5 / H46 / T8
 Material : AL 1050 / 1060 / 1070 / 6063
 Finish : Anodized / Clean

JCHAF0065

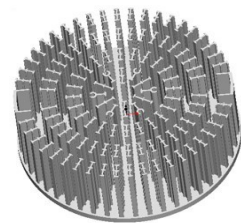
Dimensions (mm) : D123 / H107 / T12
 Material : AL 1050 / 1060 / 1070 / 6063
 Finish : Anodized / Clean

JCHAF0068

Dimensions (mm) : D104.5 / H54.5 / T6.5
 Material : AL 1050 / 1060 / 1070 / 6063
 Finish : Anodized / Clean

JCHAF0077

Dimensions (mm) : D138 / H55 / T5
 Material : AL 1050 / 1060 / 1070 / 6063
 Finish : Anodized / Clean

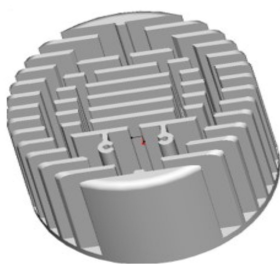
JCHAF0078

Dimensions (mm) : D110 / H55 / T5
 Material : AL 1050 / 1060 / 1070 / 6063
 Finish : Anodized / Clean

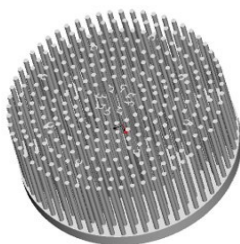
JCHAF0085

Dimensions (mm) : D102 / H40
 Material : AL 1050 / 1060 / 1070 / 6063
 Finish : Anodized / Clean

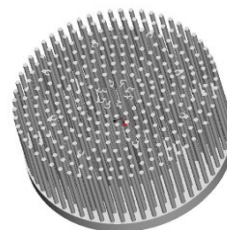
Round Series (Dia.50mm ~ 99mm)

JCHAF0096

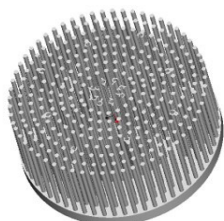
Dimensions (mm) : D130 / H70 / T4
 Material : AL 1050 / 1060 / 1070 / 6063
 Finish : Anodized / Clean

JCHAF0006

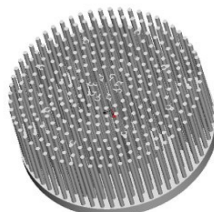
Dimensions (mm) : D96 / H50 / T10
 Material : AL 1050 / 1060 / 1070 / 6063
 Finish : Anodized / Clean

JCHAF0007

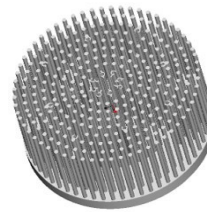
Dimensions (mm) : D85 / H50 / T10
 Material : AL 1050 / 1060 / 1070 / 6063
 Finish : Anodized / Clean

JCHAF0008

Dimensions (mm) : D70 / H50 / T7
 Material : AL 1050 / 1060 / 1070 / 6063
 Finish : Anodized / Clean

JCHAF0009

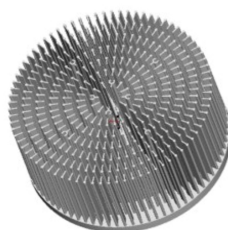
Dimensions (mm) : D60 / H50 / T5
 Material : AL 1050 / 1060 / 1070 / 6063
 Finish : Anodized / Clean

JCHAF0010

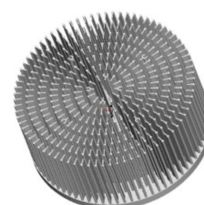
Dimensions (mm) : D50 / H50 / T5
 Material : AL 1050 / 1060 / 1070 / 6063
 Finish : Anodized / Clean

JCHAF0015

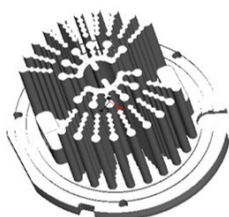
Dimensions (mm) : D91 / H50 / T5
 Material : AL 1050 / 1060 / 1070 / 6063
 Finish : Anodized / Clean

JCHAF0016

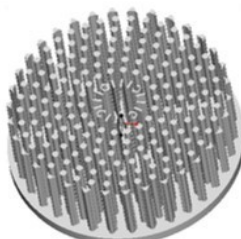
Dimensions (mm) : D71 / H50 / T5
 Material : AL 1050 / 1060 / 1070 / 6063
 Finish : Anodized / Clean

JCHAF0017

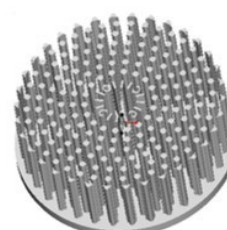
Dimensions (mm) : D51 / H50 / T5
 Material : AL 1050 / 1060 / 1070 / 6063
 Finish : Anodized / Clean

JCHAF0022

Dimensions (mm) : D73 / H74 / T9
 Material : AL 1050 / 1060 / 1070 / 6063
 Finish : Anodized / Clean

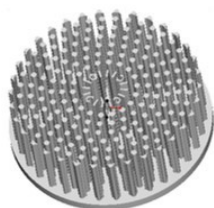
JCHAF0024

Dimensions (mm) : D97 / H50 / T5
 Material : AL 1050 / 1060 / 1070 / 6063
 Finish : Anodized / Clean

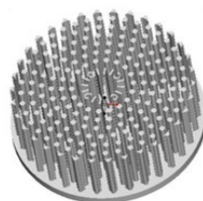
JCHAF0025

Dimensions (mm) : D88 / H50 / T5
 Material : AL 1050 / 1060 / 1070 / 6063
 Finish : Anodized / Clean

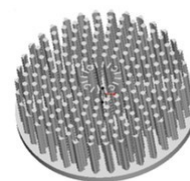
Round Series (Dia.50mm ~ 99mm)

JCHAF0026

Dimensions (mm) : D77 / H50 / T5
 Material : AL 1050 / 1060 / 1070 / 6063
 Finish : Anodized / Clean

JCHAF0027

Dimensions (mm) : D66 / H50 / T5
 Material : AL 1050 / 1060 / 1070 / 6063
 Finish : Anodized / Clean

JCHAF0028

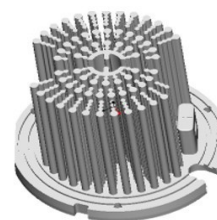
Dimensions (mm) : D55 / H50 / T5
 Material : AL 1050 / 1060 / 1070 / 6063
 Finish : Anodized / Clean

JCHAF0029

Dimensions (mm) : D60.5 / H55 / T23
 Material : AL 1050 / 1060 / 1070 / 6063
 Finish : Anodized / Clean

JCHAF0030

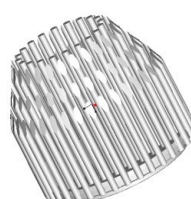
Dimensions (mm) : D52 / H55 / T23
 Material : AL 1050 / 1060 / 1070 / 6063
 Finish : Anodized / Clean

JCHAF0031

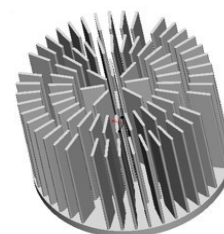
Dimensions (mm) : D82 / H84.5 / T9
 Material : AL 1050 / 1060 / 1070 / 6063
 Finish : Anodized / Clean

JCHAF0033

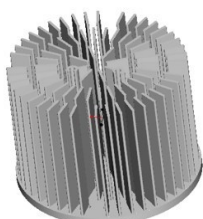
Dimensions (mm) : D64.5 / H55 / T5
 Material : AL 1050 / 1060 / 1070 / 6063
 Finish : Anodized / Clean

JCHAF0034

Dimensions (mm) : D71 / H43.4 / T7
 Material : AL 1050 / 1060 / 1070 / 6063
 Finish : Anodized / Clean

JCHAF0040

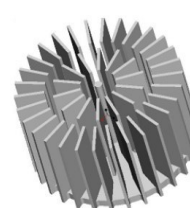
Dimensions (mm) : D81 / H62 / T5
 Material : AL 1050 / 1060 / 1070 / 6063
 Finish : Anodized / Clean

JCHAF0042

Dimensions (mm) : D80 / H70 / T5
 Material : AL 1050 / 1060 / 1070 / 6063
 Finish : Anodized / Clean

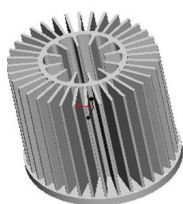
JCHAF0043

Dimensions (mm) : D50 / H33 / T2.2
 Material : AL 1050 / 1060 / 1070 / 6063
 Finish : Anodized / Clean

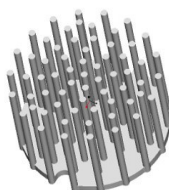
JCHAF0050

Dimensions (mm) : D66 / H40 / T3.5
 Material : AL 1050 / 1060 / 1070 / 6063
 Finish : Anodized / Clean

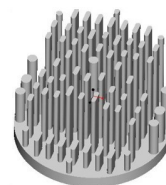
Round Series (Dia.50mm ~ 99mm)

JCHAF0057

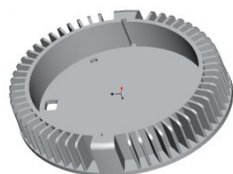
Dimensions (mm) : D62 / H75 / T5
 Material : AL 1050 / 1060 / 1070 / 6063
 Finish : Anodized / Clean

JCHAF0058

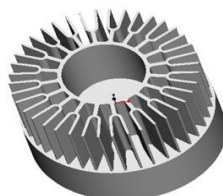
Dimensions (mm) : D62.3 / H40 / T3.5
 Material : AL 1050 / 1060 / 1070 / 6063
 Finish : Anodized / Clean

JCHAF0061

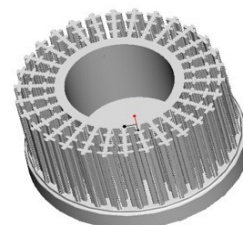
Dimensions (mm) : D63 / H40 / T6
 Material : AL 1050 / 1060 / 1070 / 6063
 Finish : Anodized / Clean

JCHAF0066

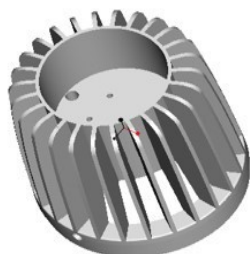
Dimensions (mm) : D90 / H26 / T6
 Material : AL 1050 / 1060 / 1070 / 6063
 Finish : Anodized / Clean

JCHAF0067

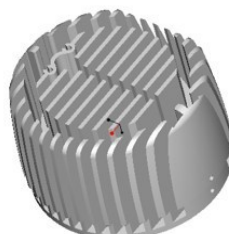
Dimensions (mm) : D70 / H63 / T28
 Material : AL 1050 / 1060 / 1070 / 6063
 Finish : Anodized / Clean

JCHAF0069

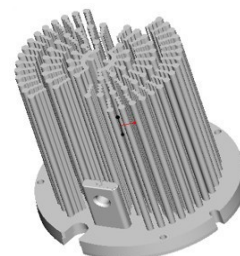
Dimensions (mm) : D95 / H62 / T15
 Material : AL 1050 / 1060 / 1070 / 6063
 Finish : Anodized / Clean

JCHAF0070

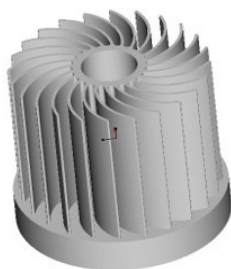
Dimensions (mm) : D90.6 / H92
 Material : AL 1050 / 1060 / 1070 / 6063
 Finish : Anodized / Clean

JCHAF0071

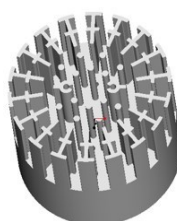
Dimensions (mm) : D94.6 / H68
 Material : AL 1050 / 1060 / 1070 / 6063
 Finish : Anodized / Clean

JCHAF0074

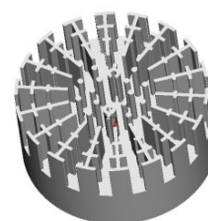
Dimensions (mm) : D88.5 / H94 / T9
 Material : AL 1050 / 1060 / 1070 / 6063
 Finish : Anodized / Clean

JCHAF0084

Dimensions (mm) : D99 / H95 / T18.5
 Material : AL 1050 / 1060 / 1070 / 6063
 Finish : Anodized / Clean

JCHAF0086

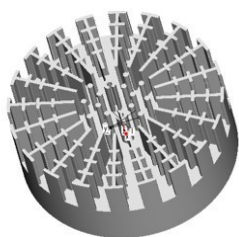
Dimensions (mm) : D63 / H47
 Material : AL 1050 / 1060 / 1070 / 6063
 Finish : Anodized / Clean

JCHAF0087

Dimensions (mm) : D80 / H47
 Material : AL 1050 / 1060 / 1070 / 6063
 Finish : Anodized / Clean

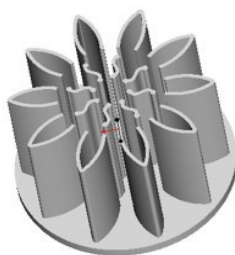
Round Series (Dia.50mm ~ 99mm)
Round Series (Dia.49mm ↓)

JCHAF0088



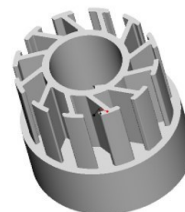
Dimensions (mm) : D96 / H47
 Material : AL 1050 / 1060 / 1070 / 6063
 Finish : Anodized / Clean

JCHAF0089



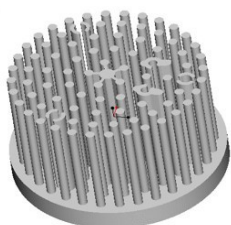
Dimensions (mm) : D94 / H55
 Material : AL 1050 / 1060 / 1070 / 6063
 Finish : Anodized / Clean

JCHAF0090



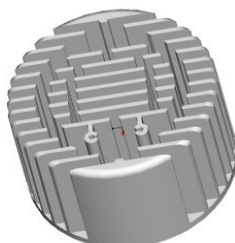
Dimensions (mm) : D55 / H60
 Material : AL 1050 / 1060 / 1070 / 6063
 Finish : Anodized / Clean

JCHAF0092



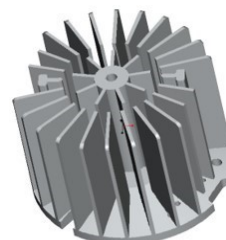
Dimensions (mm) : D83 / H55 / T10
 Material : AL 1050 / 1060 / 1070 / 6063
 Finish : Anodized / Clean

JCHAF0095



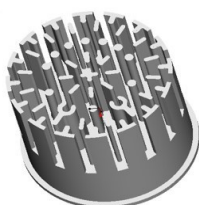
Dimensions (mm) : D96 / H60 / T4
 Material : AL 1050 / 1060 / 1070 / 6063
 Finish : Anodized / Clean

JCHAF0098



Dimensions (mm) : D73.6 / H63.5 / T5
 Material : AL 1050 / 1060 / 1070 / 6063
 Finish : Anodized / Clean

JCHAF0019



Dimensions (mm) : D49.8 / H48 / T24.5
 Material : AL 1050 / 1060 / 1070 / 6063
 Finish : Anodized / Clean

JCHAF0020



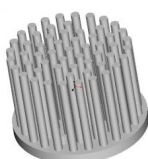
Dimensions (mm) : D49.5 / H31.2 / T2.2
 Material : AL 1050 / 1060 / 1070 / 6063
 Finish : Anodized / Clean

JCHAF0063



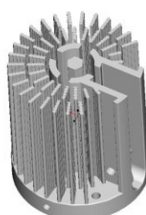
Dimensions (mm) : D49.8 / H24.5
 Material : AL 1050 / 1060 / 1070 / 6063
 Finish : Anodized / Clean

JCHAF0075



Dimensions (mm) : D31.9 / H25 / T3
 Material : AL 1050 / 1060 / 1070 / 6063
 Finish : Anodized / Clean

JCHAF0083



Dimensions (mm) : D39.6 / H47
 Material : AL 1050 / 1060 / 1070 / 6063
 Finish : Anodized / Clean

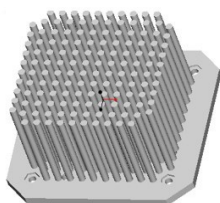
JCHAF0099



Dimensions (mm) : D47 / H49
 Material : AL 1050 / 1060 / 1070 / 6063
 Finish : Anodized / Clean

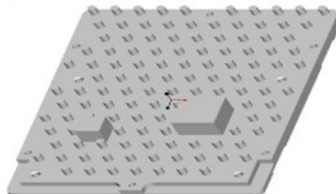
Quadrilateral Series

JCHAF0021



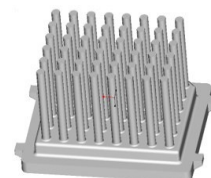
Dimensions (mm) : L82 / W82 / H48.5 / T5
Material : AL 1050 / 1060 / 1070 / 6063
Finish : Anodized / Clean

JCHAF0037



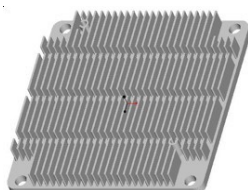
Dimensions (mm) : L136 / W111.6 / H25.5 / T12.5
Material : AL 1050 / 1060 / 1070 / 6063
Finish : Anodized / Clean

JCHAF0038



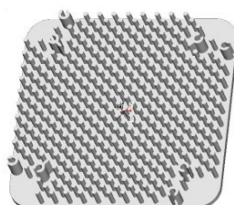
Dimensions (mm) : L69 / W48.6 / H39.5
Material : AL 1050 / 1060 / 1070 / 6063
Finish : Anodized / Clean

JCHAF0039



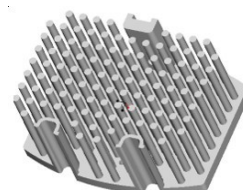
Dimensions (mm) : L87 / W87 / H13.5 / T6
Material : AL 1050 / 1060 / 1070 / 6063
Finish : Anodized / Clean

JCHAF0049



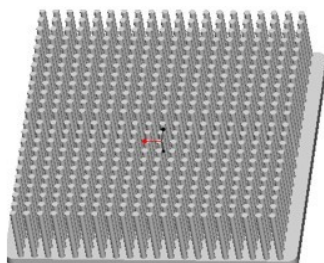
Dimensions (mm) : L90 / W90 / H16 / T6.2
Material : AL 1050 / 1060 / 1070 / 6063
Finish : Anodized / Clean

JCHAF0051



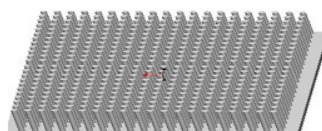
Dimensions (mm) : L79 / W61.3 / H35 / T5
Material : AL 1050 / 1060 / 1070 / 6063
Finish : Anodized / Clean

JCHAF0055



Dimensions (mm) : L150 / W150 / H45 / T7
Material : AL 1050 / 1060 / 1070 / 6063
Finish : Anodized / Clean

JCHAF0056



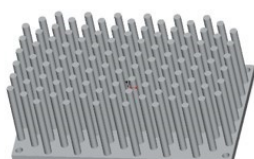
Dimensions (mm) : L150 / W75 / H60 / T7
Material : AL 1050 / 1060 / 1070 / 6063
Finish : Anodized / Clean

JCHAF0062



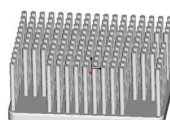
Dimensions (mm) : L25.4 / W25.4 / H12.73 / T1.5
Material : AL 1050 / 1060 / 1070 / 6063
Finish : Anodized / Clean

JCHAF0091



Dimensions (mm) : L101.6 / W61 / H38
Material : AL 1050 / 1060 / 1070 / 6063
Finish : Anodized / Clean

JCHAF0097



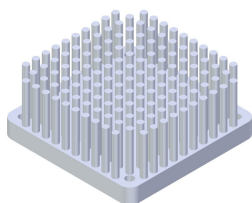
Dimensions (mm) : L60 / W40 / H18
Material : AL 1050 / 1060 / 1070 / 6063
Finish : Anodized / Clean

JCHCF0003

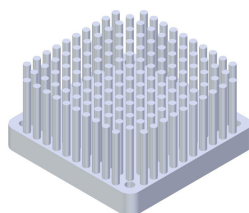


Dimensions (mm) : L105.6 / W59.6 / H8.7 / T2.5
Material : CU1100
Finish : Anti-oxidation

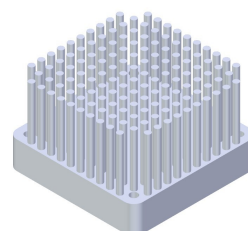
Quadrilateral Series

JCHAF0021-01

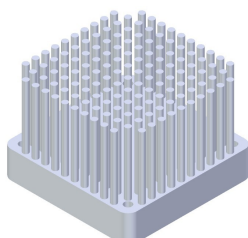
Dimensions (mm) : L60 / W60 / H25 / T7
 Material : AL 1050 / 1060 / 1070 / 6063
 Finish : Anodized / Clean

JCHAF0021-02

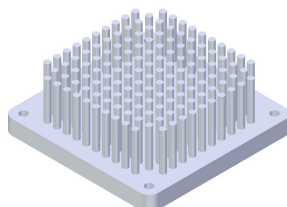
Dimensions (mm) : L60 / W60 / H30 / T9
 Material : AL 1050 / 1060 / 1070 / 6063
 Finish : Anodized / Clean

JCHAF0021-03

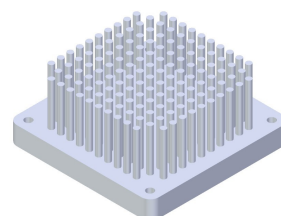
Dimensions (mm) : L60 / W60 / H38 / T13
 Material : AL 1050 / 1060 / 1070 / 6063
 Finish : Anodized / Clean

JCHAF0021-04

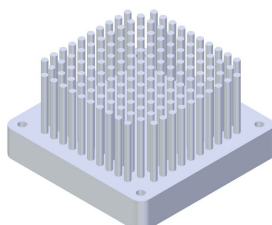
Dimensions (mm) : L60 / W60 / H43 / T13
 Material : AL 1050 / 1060 / 1070 / 6063
 Finish : Anodized / Clean

JCHAF0021-05

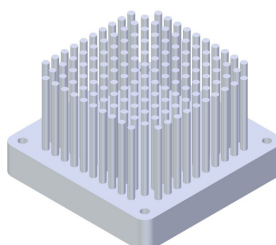
Dimensions (mm) : L70 / W70 / H25 / T7
 Material : AL 1050 / 1060 / 1070 / 6063
 Finish : Anodized / Clean

JCHAF0021-06

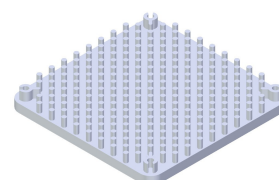
Dimensions (mm) : L70 / W70 / H30 / T9
 Material : AL 1050 / 1060 / 1070 / 6063
 Finish : Anodized / Clean

JCHAF0021-07

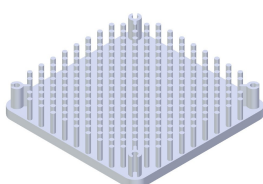
Dimensions (mm) : L70 / W70 / H38 / T13
 Material : AL 1050 / 1060 / 1070 / 6063
 Finish : Anodized / Clean

JCHAF0021-08

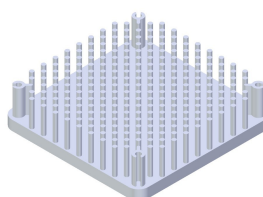
Dimensions (mm) : L70 / W70 / H43 / T13
 Material : AL 1050 / 1060 / 1070 / 6063
 Finish : Anodized / Clean

JCHAF0049-01

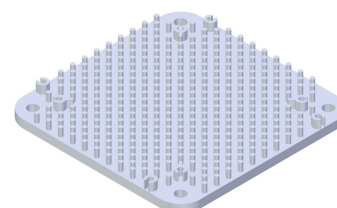
Dimensions (mm) : L70 / W70 / H8 / T4
 Material : AL 1050 / 1060 / 1070 / 6063
 Finish : Anodized / Clean

JCHAF0049-02

Dimensions (mm) : L70 / W70 / H13 / T4
 Material : AL 1050 / 1060 / 1070 / 6063
 Finish : Anodized / Clean

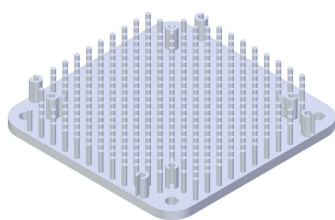
JCHAF0049-03

Dimensions (mm) : L70 / W70 / H18 / T5
 Material : AL 1050 / 1060 / 1070 / 6063
 Finish : Anodized / Clean

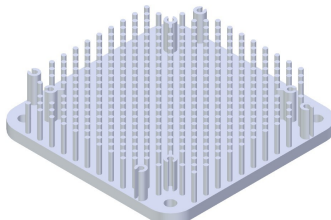
JCHAF0049-04

Dimensions (mm) : L90 / W90 / H8 / T4
 Material : AL 1050 / 1060 / 1070 / 6063
 Finish : Anodized / Clean

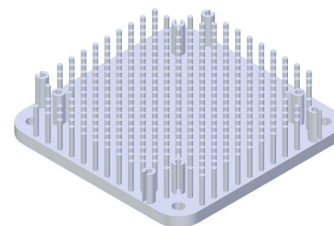
Quadrilateral Series

JCHAF0049-05


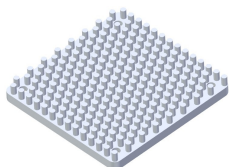
Dimensions (mm) : L90 / W90 / H13 / T4
 Material : AL 1050 / 1060 / 1070 / 6063
 Finish : Anodized / Clean

JCHAF0049-06


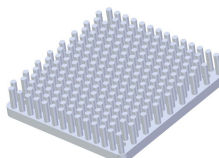
Dimensions (mm) : L90 / W90 / H18 / T5
 Material : AL 1050 / 1060 / 1070 / 6063
 Finish : Anodized / Clean

JCHAF0049-07


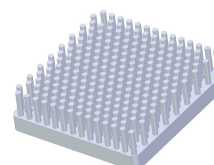
Dimensions (mm) : L90 / W90 / H23 / T5
 Material : AL 1050 / 1060 / 1070 / 6063
 Finish : Anodized / Clean

JCHAF0004-01


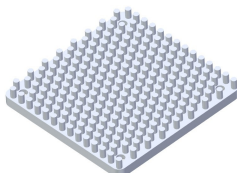
Dimensions (mm) : L51 / W51 / H8 / T4
 Material : AL 1050 / 1060 / 1070 / 6063
 Finish : Anodized / Clean

JCHAF0004-02


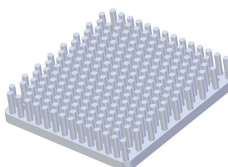
Dimensions (mm) : L51 / W51 / H13 / T4
 Material : AL 1050 / 1060 / 1070 / 6063
 Finish : Anodized / Clean

JCHAF0004-03


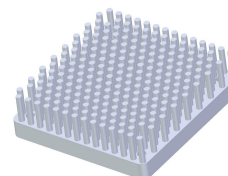
Dimensions (mm) : L51 / W51 / H18 / T5
 Material : AL 1050 / 1060 / 1070 / 6063
 Finish : Anodized / Clean

JCHAF0004-04


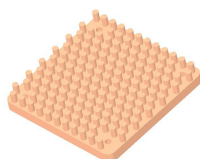
Dimensions (mm) : L61.5 / W60 / H8 / T4
 Material : AL 1050 / 1060 / 1070 / 6063
 Finish : Anodized / Clean

JCHAF0004-05


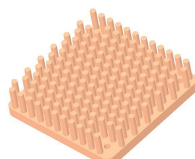
Dimensions (mm) : L61.5 / W60 / H13 / T4
 Material : AL 1050 / 1060 / 1070 / 6063
 Finish : Anodized / Clean

JCHAF0004-06


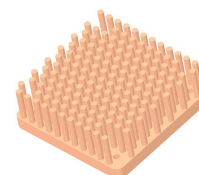
Dimensions (mm) : L61.5 / W60 / H18 / T5
 Material : AL 1050 / 1060 / 1070 / 6063
 Finish : Anodized / Clean

JCHCF0004-01


Dimensions (mm) : L51 / W51 / H8 / T4
 Material : CU1100
 Finish : Anti-oxidation

JCHCF0004-02


Dimensions (mm) : L51 / W51 / H13 / T4
 Material : CU1100
 Finish : Anti-oxidation

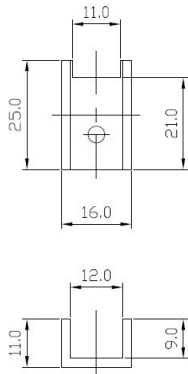
JCHCF0004-03


Dimensions (mm) : L51 / W51 / H18 / T5
 Material : CU1100
 Finish : Anti-oxidation

PCB Mount Series

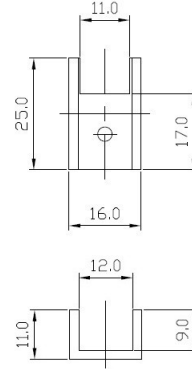
JBHAE5251

Dimensions (mm) : L21 / W16 / H11
Material : AL 6063-T5
Finish / Color : Anodized Black



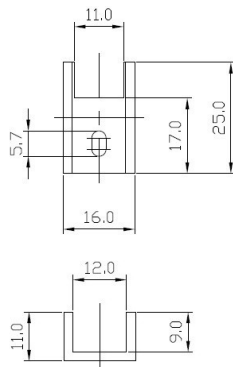
JBHAE5252

Dimensions (mm) : L17 / W16 / H11
Material : AL 6063-T5
Finish / Color : Anodized Black



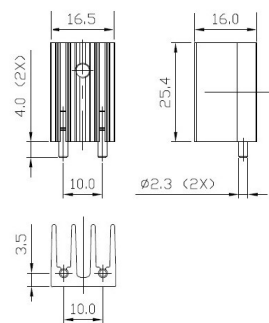
JBHAE5253

Dimensions (mm) : L25 / W16 / H11
Material : AL 6063-T5
Finish / Color : Anodized Black



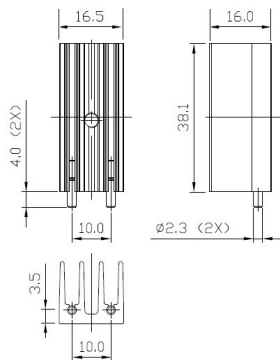
JBHAE5301

Dimensions (mm) : L25.4 / W16.5 / H16
Material : AL 6063-T5
Finish / Color : Anodized Black



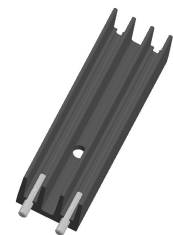
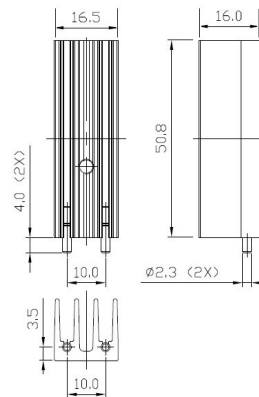
JBHAE5302

Dimensions (mm) : L38.1 / W16.5 / H16
Material : AL 6063-T5
Finish / Color : Anodized Black



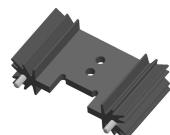
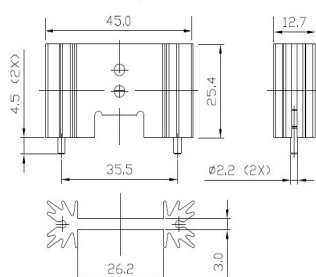
JBHAE5303

Dimensions (mm) : L50.8 / W16.5 / H16
Material : AL 6063-T5
Finish / Color : Anodized Black



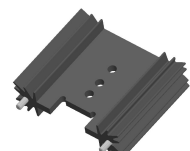
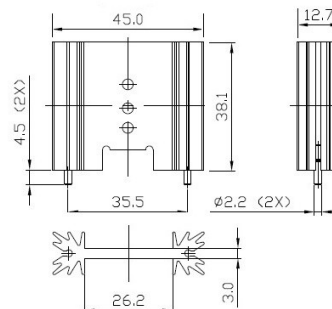
JBHAE0351

Dimensions (mm) : L25.4 / W45 / H12.7
Material : AL 6063-T5
Finish / Color : Anodized Black



JBHAE0352

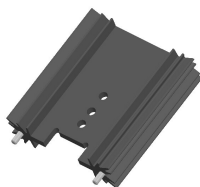
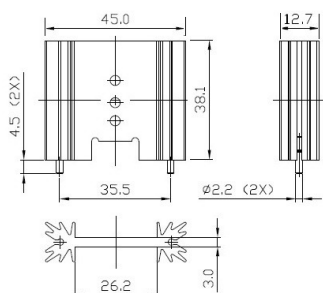
Dimensions (mm) : L38.1 / W45 / H12.7
Material : AL 6063-T5
Finish / Color : Anodized Black



PCB Mount Series

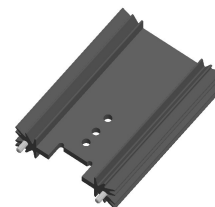
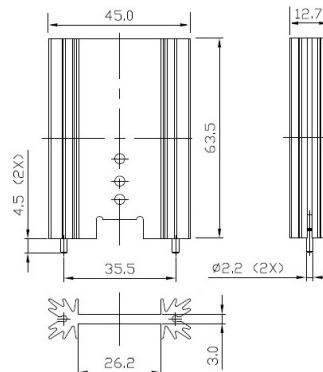
JBHAE0353

Dimensions (mm) : L50.8 / W45 / H12.7
Material : AL 6063-T5
Finish / Color : Anodized Black



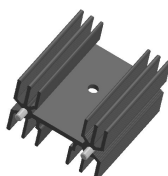
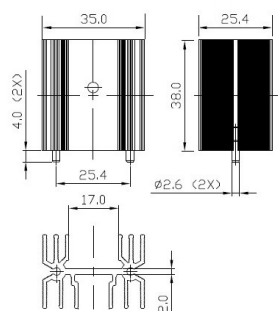
JBHAE0354

Dimensions (mm) : L63.5 / W45 / H12.7
Material : AL 6063-T5
Finish / Color : Anodized Black



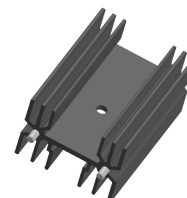
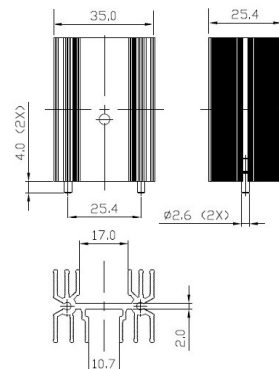
JBHAE0361

Dimensions (mm) : L38 / W35 / H25.4
Material : AL 6063-T5
Finish / Color : Anodized Black



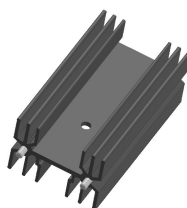
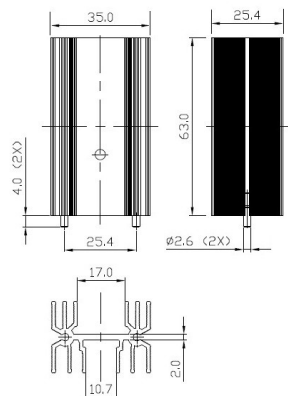
JBHAE0362

Dimensions (mm) : L50 / W35 / H25.4
Material : AL 6063-T5
Finish / Color : Anodized Black



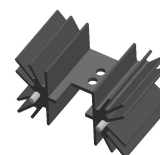
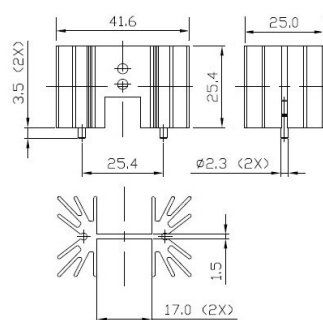
JBHAE0363

Dimensions (mm) : L63 / W35 / H25.4
Material : AL 6063-T5
Finish / Color : Anodized Black



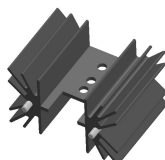
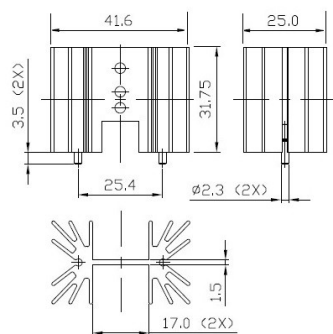
JBHAE8010

Dimensions (mm) : L25.4 / W41.6 / H25
Material : AL 6063-T5
Finish / Color : Anodized Black



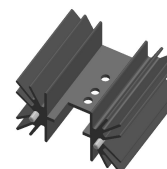
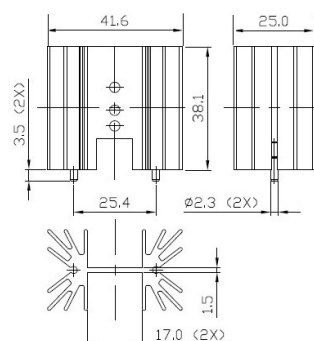
JBHAE8011

Dimensions (mm) : L31.75 / W41.6 / H25
Material : AL 6063-T5
Finish / Color : Anodized Black



JBHAE8012

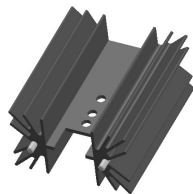
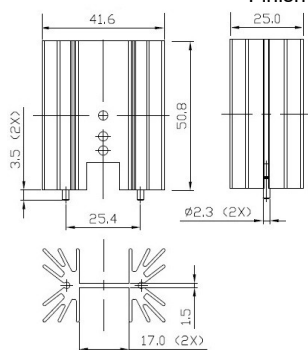
Dimensions (mm) : L38.1 / W41.6 / H25
Material : AL 6063-T5
Finish / Color : Anodized Black



PCB Mount Series

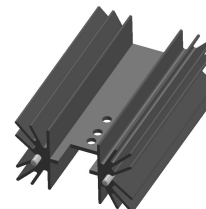
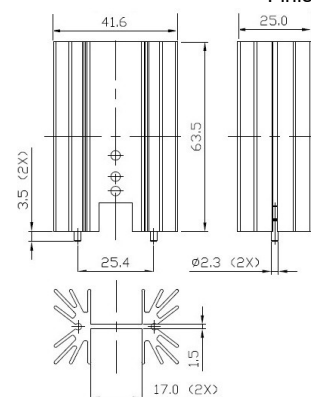
JBHAE8013

Dimensions (mm) : L50.8 / W41.6 / H25
Material : AL 6063-T5
Finish / Color : Anodized Black



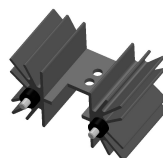
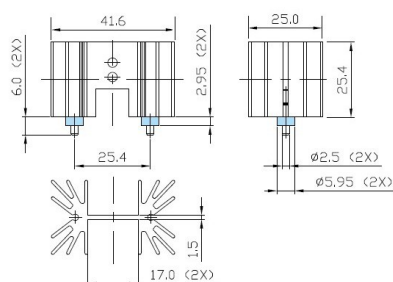
JBHAE8014

Dimensions (mm) : L63.5 / W41.6 / H25
Material : AL 6063-T5
Finish / Color : Anodized Black



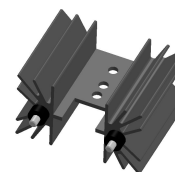
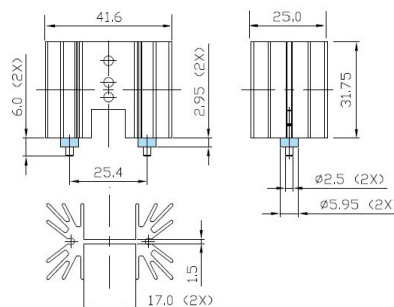
JBHAE8015

Dimensions (mm) : L25.4 / W41.6 / H25
Material : AL 6063-T5
Finish / Color : Anodized Black



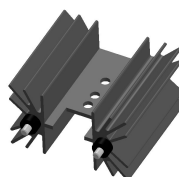
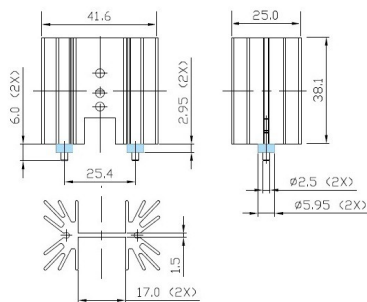
JBHAE8016

Dimensions (mm) : L31.75 / W41.6 / H25
Material : AL 6063-T5
Finish / Color : Anodized Black



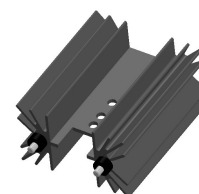
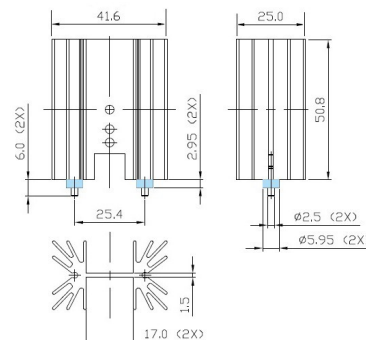
JBHAE8017

Dimensions (mm) : L38.1 / W41.6 / H25
Material : AL 6063-T5
Finish / Color : Anodized Black



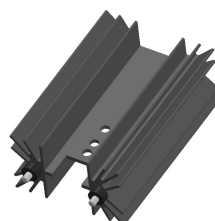
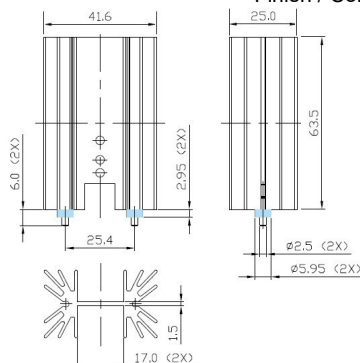
JBHAE8018

Dimensions (mm) : L50.8 / W41.6 / H25
Material : AL 6063-T5
Finish / Color : Anodized Black



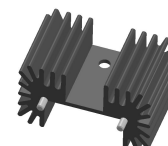
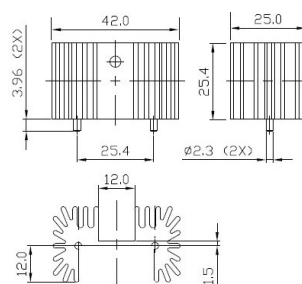
JBHAE8019

Dimensions (mm) : L63.5 / W41.6 / H25
Material : AL 6063-T5
Finish / Color : Anodized Black



JBHAE8041

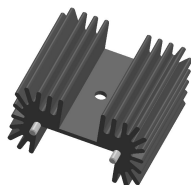
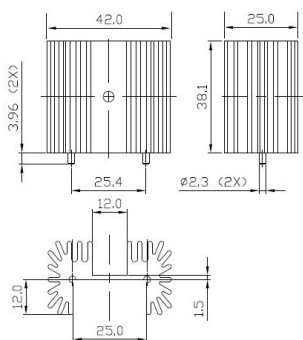
Dimensions (mm) : L25.4 / W42 / H25
Material : AL 6063-T5
Finish / Color : Anodized Black



PCB Mount Series

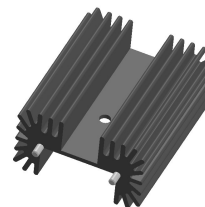
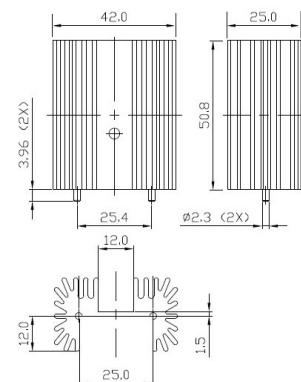
JBHAE8042

Dimensions (mm) : L38.1 / W42 / H25
Material : AL 6063-T5
Finish / Color : Anodized Black



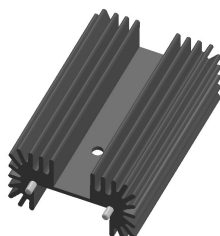
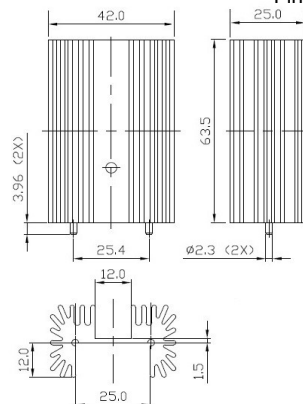
JBHAE8043

Dimensions (mm) : L50.8 / W42 / H25
Material : AL 6063-T5
Finish / Color : Anodized Black



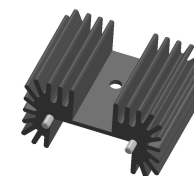
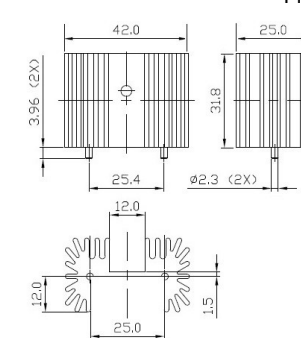
JBHAE8044

Dimensions (mm) : L63.5 / W42 / H25
Material : AL 6063-T5
Finish / Color : Anodized Black



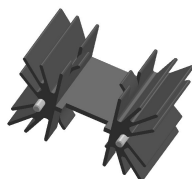
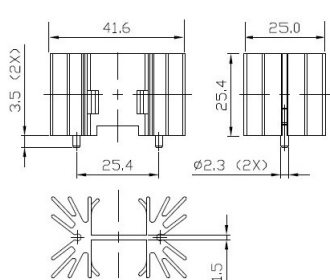
JBHAE8045

Dimensions (mm) : L31.8 / W42 / H25
Material : AL 6063-T5
Finish / Color : Anodized Black



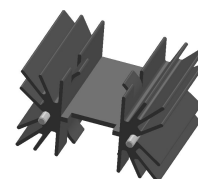
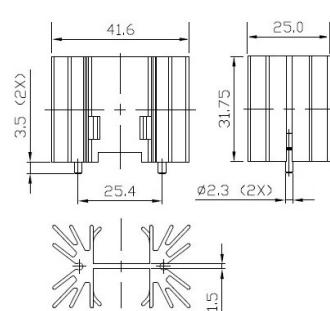
JBHAE8110

Dimensions (mm) : L25.4 / W41.6 / H25
Material : AL 6063-T5
Finish / Color : Anodized Black



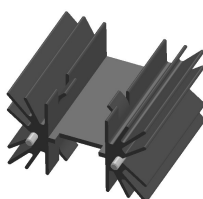
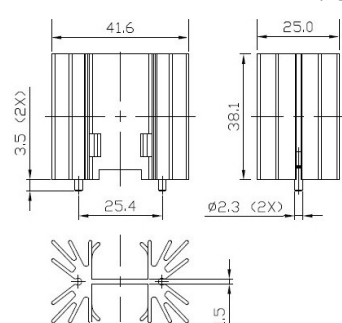
JBHAE8111

Dimensions (mm) : L31.75 / W41.6 / H25
Material : AL 6063-T5
Finish / Color : Anodized Black



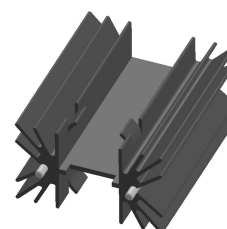
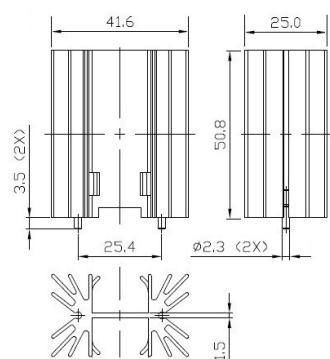
JBHAE8112

Dimensions (mm) : L38.1 / W41.6 / H25
Material : AL 6063-T5
Finish / Color : Anodized Black



JBHAE8113

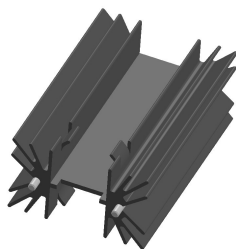
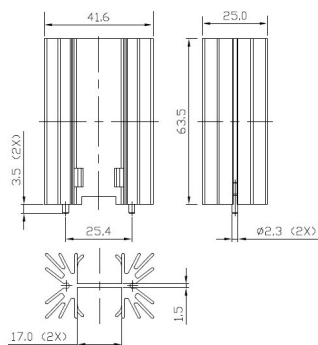
Dimensions (mm) : L50.8 / W41.6 / H25
Material : AL 6063-T5
Finish / Color : Anodized Black



PCB Mount Series

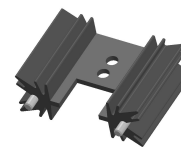
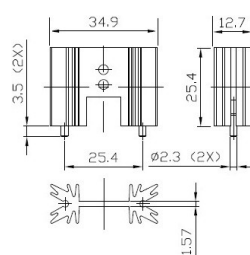
JBHAE8114

Dimensions (mm) : L63.5 / W41.6 / H25
Material : AL 6063-T5
Finish / Color : Anodized Black



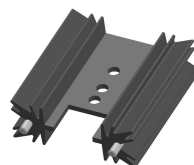
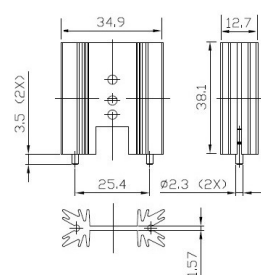
JBHAE2011

Dimensions (mm) : L25.4 / W35 / H12.7
Material : AL 6063-T5
Finish / Color : Anodized Black



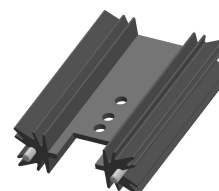
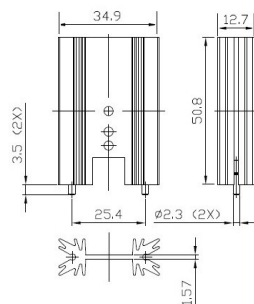
JBHAE2012

Dimensions (mm) : L38.1 / W35 / H12.7
Material : AL 6063-T5
Finish / Color : Anodized Black



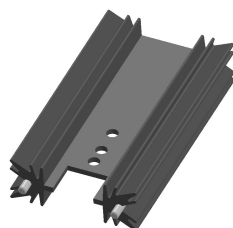
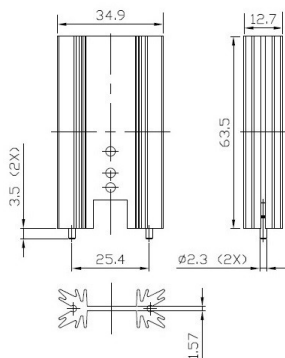
JBHAE2013

Dimensions (mm) : L50.8 / W35 / H12.7
Material : AL 6063-T5
Finish / Color : Anodized Black



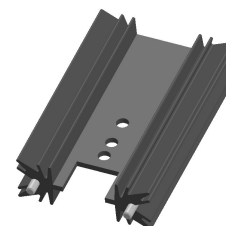
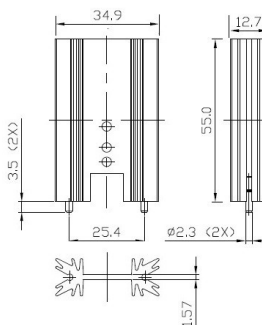
JBHAE2014

Dimensions (mm) : L63.5 / W35 / H12.7
Material : AL 6063-T5
Finish / Color : Anodized Black



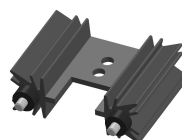
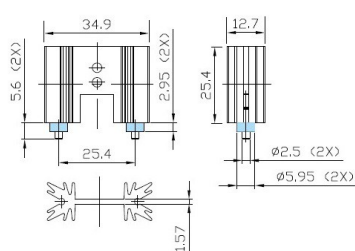
JBHAE2015

Dimensions (mm) : L55 / W35 / H12.7
Material : AL 6063-T5
Finish / Color : Anodized Black



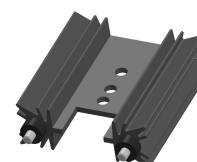
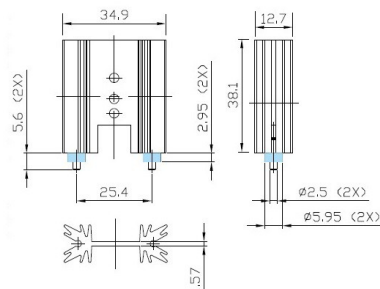
JBHAE2081

Dimensions (mm) : L25.4 / W35 / H12.7
Material : AL 6063-T5
Finish / Color : Anodized Black



JBHAE2082

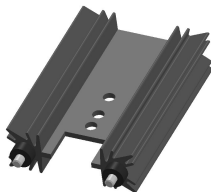
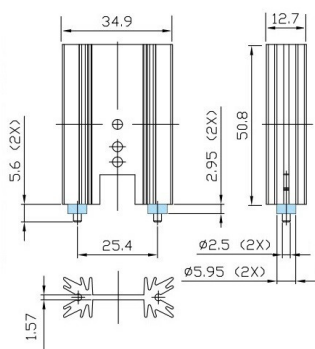
Dimensions (mm) : L38.1 / W35 / H12.7
Material : AL 6063-T5
Finish / Color : Anodized Black



PCB Mount Series

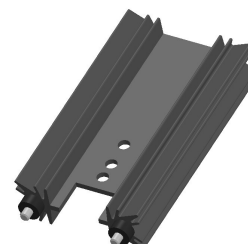
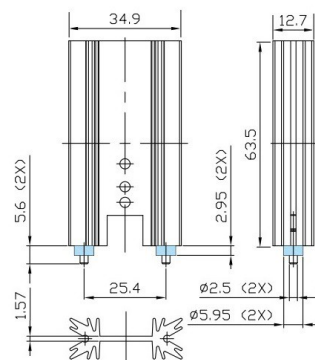
JBHAE2083

Dimensions (mm) : L50.8 / W35 / H12.7
Material : AL 6063-T5
Finish / Color : Anodized Black



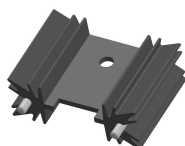
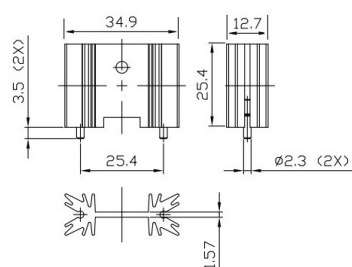
JBHAE2084

Dimensions (mm) : L63.5 / W35 / H12.7
Material : AL 6063-T5
Finish / Color : Anodized Black



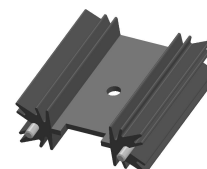
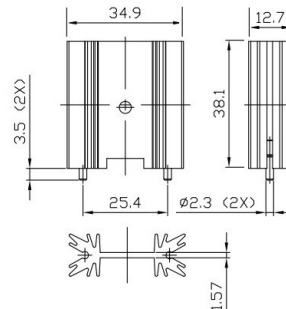
JBHAE2091

Dimensions (mm) : L25.4 / W35 / H12.7
Material : AL 6063-T5
Finish / Color : Anodized Black



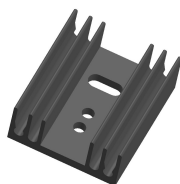
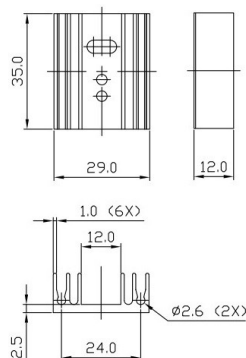
JBHAE2092

Dimensions (mm) : L38.1 / W35 / H12.7
Material : AL 6063-T5
Finish / Color : Anodized Black



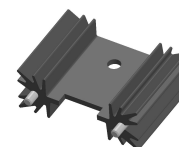
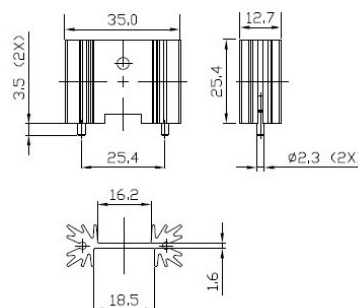
JBHAE2510

Dimensions (mm) : L35 / W29 / H12
Material : AL 6063-T5
Finish / Color : Anodized Black



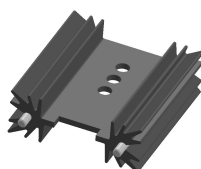
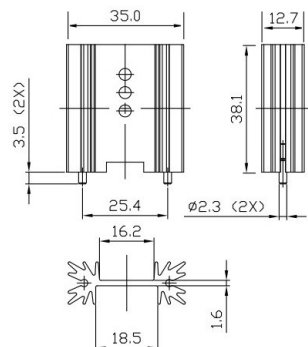
JBHAE2141

Dimensions (mm) : L25.4 / W35 / H12.7
Material : AL 6063-T5
Finish / Color : Anodized Black



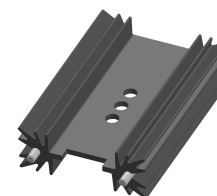
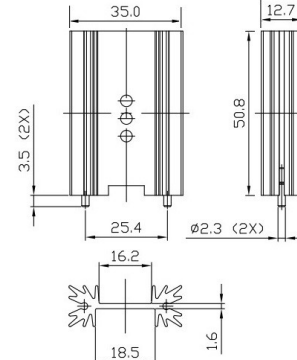
JBHAE2142

Dimensions (mm) : L38.1 / W35 / H12.7
Material : AL 6063-T5
Finish / Color : Anodized Black



JBHAE2143

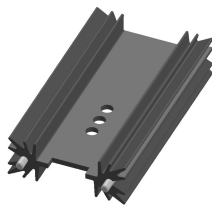
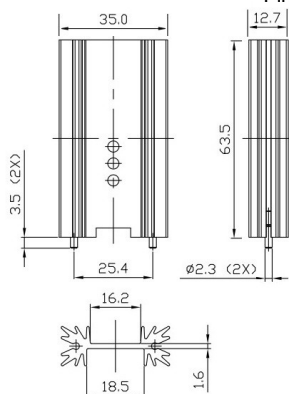
Dimensions (mm) : L50.8 / W35 / H12.7
Material : AL 6063-T5
Finish / Color : Anodized Black



PCB Mount Series

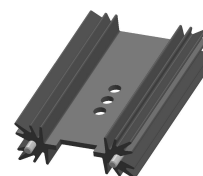
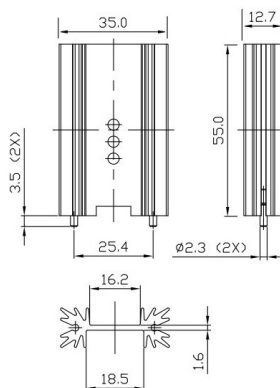
JBHAE2144

Dimensions (mm) : L63.5 / W35 / H12.7
Material : AL 6063-T5
Finish / Color : Anodized Black



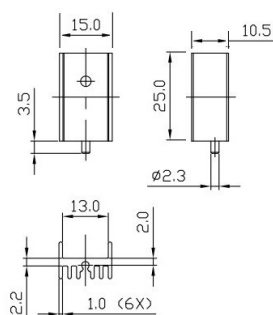
JBHAE2145

Dimensions (mm) : L55 / W35 / H12.7
Material : AL 6063-T5
Finish / Color : Anodized Black



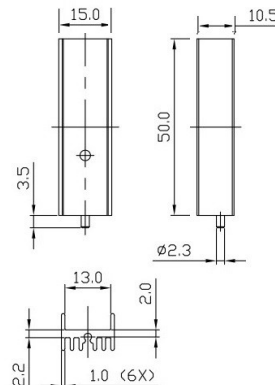
JBHAE2326

Dimensions (mm) : L25 / W15 / H10.5
Material : AL 6063-T5
Finish / Color : Anodized Black



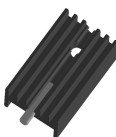
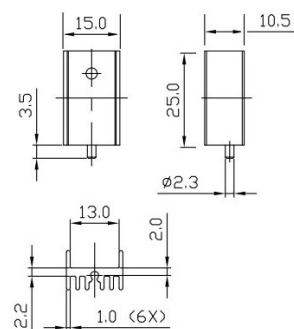
JBHAE2327

Dimensions (mm) : L50 / W15 / H10.5
Material : AL 6063-T5
Finish / Color : Anodized Black



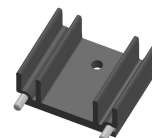
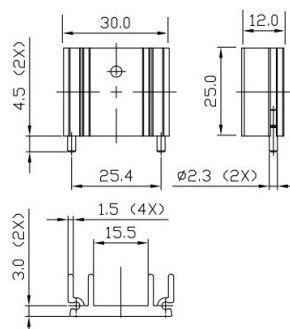
JBHAE2328

Dimensions (mm) : L25 / W15 / H10.5
Material : AL 6063-T5
Finish / Color : Anodized Black



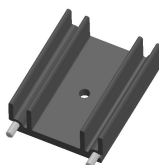
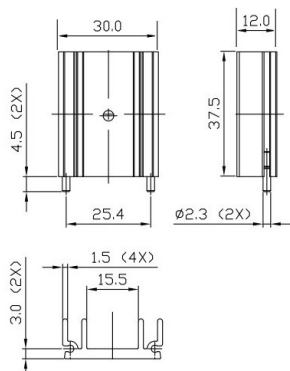
JBHAE2811

Dimensions (mm) : L50 / W15 / H10.5
Material : AL 6063-T5
Finish / Color : Anodized Black



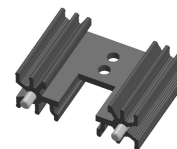
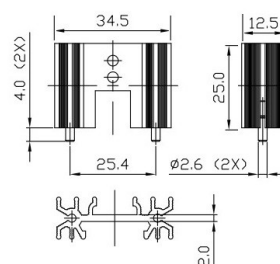
JBHAE2812

Dimensions (mm) : L37.5 / W30 / H12
Material : AL 6063-T5
Finish / Color : Anodized Black



JBHAE2871

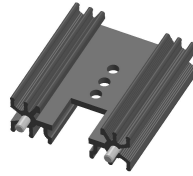
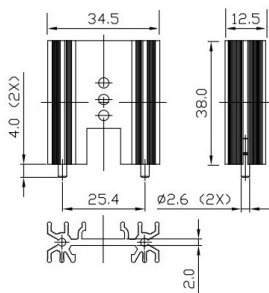
Dimensions (mm) : L25 / W35 / H12.5
Material : AL 6063-T5
Finish / Color : Anodized Black



PCB Mount Series

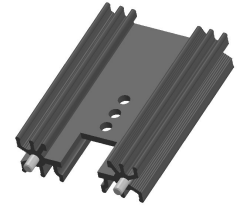
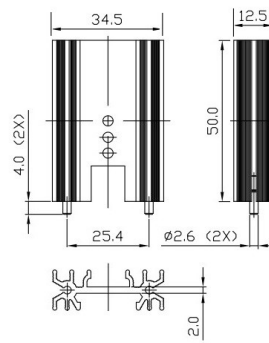
JBHAE2872

Dimensions (mm) : L38 / W35 / H12.5
Material : AL 6063-T5
Finish / Color : Anodized Black



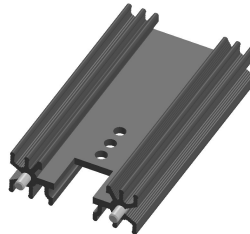
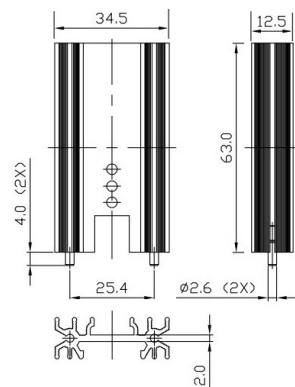
JBHAE2873

Dimensions (mm) : L50 / W35 / H12.5
Material : AL 6063-T5
Finish / Color : Anodized Black



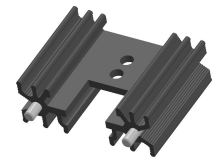
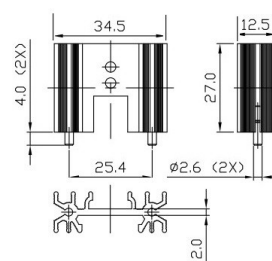
JBHAE2874

Dimensions (mm) : L63 / W35 / H12.5
Material : AL 6063-T5
Finish / Color : Anodized Black



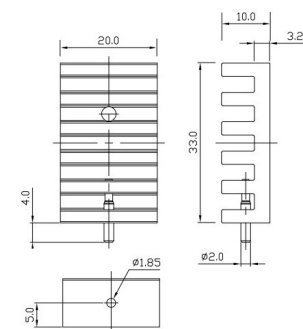
JBHAE2875

Dimensions (mm) : L27 / W35 / H12.5
Material : AL 6063-T5
Finish / Color : Anodized Black



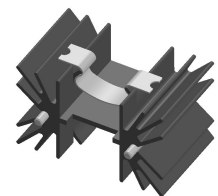
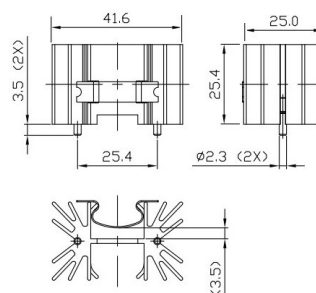
JBHAE1791

Dimensions (mm) : L33 / W20 / H510
Material : AL 6063-T5
Finish / Color : Anodized Black



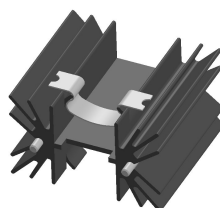
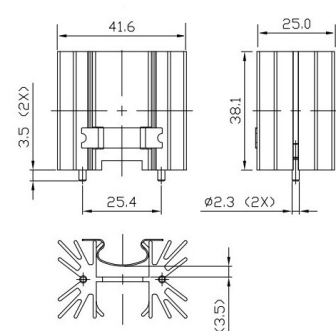
JBHAE8120

Dimensions (mm) : L25.4 / W41.6 / H25
Material : AL 6063-T5
Finish / Color : Anodized Black



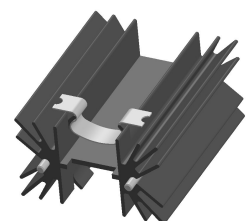
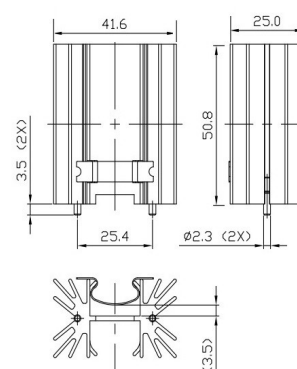
JBHAE8122

Dimensions (mm) : L38.1 / W41.6 / H25
Material : AL 6063-T5
Finish / Color : Anodized Black



JBHAE8123

Dimensions (mm) : L50.8 / W41.6 / H25
Material : AL 6063-T5
Finish / Color : Anodized Black

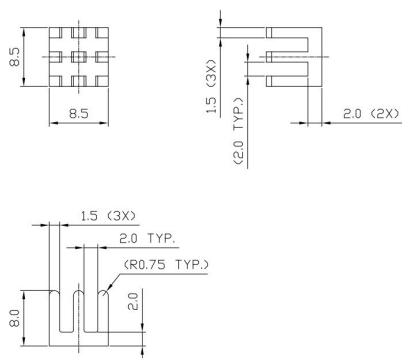


BGA Series

BGA Heatsink can be attached to devices with adhesive thermal tape.

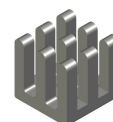
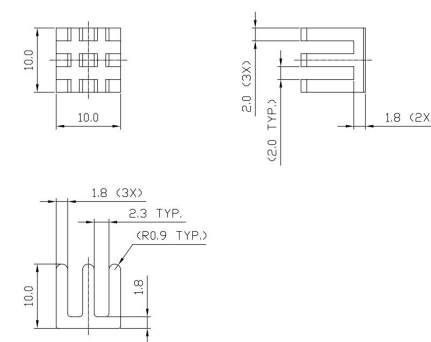
JBHAE0801

Dimensions (mm) : L8 / W8 / H8
Material : AL 6063-T5
Finish / Color : Anodized Black



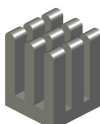
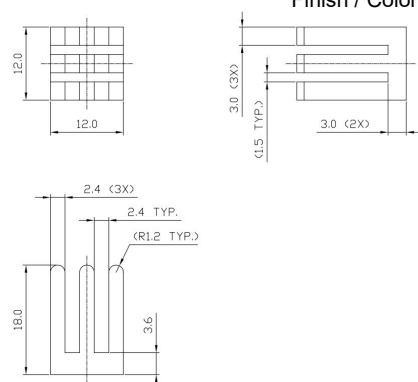
JBHAE1002

Dimensions (mm) : L10 / W10 / H10
Material : AL 6063-T5
Finish / Color : Anodized Black



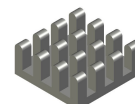
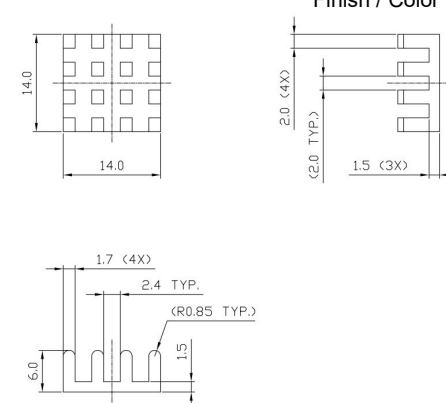
JBHAE1201

Dimensions (mm) : L12 / W12 / H18
Material : AL 6063-T5
Finish / Color : Anodized Black



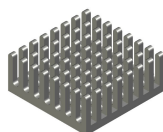
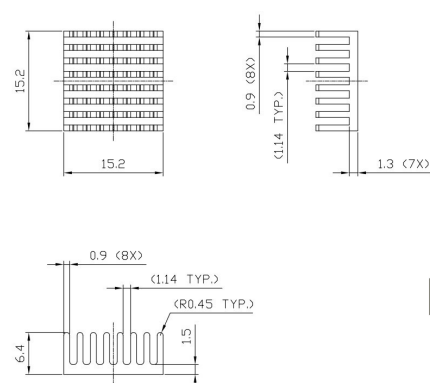
JBHAE1401

Dimensions (mm) : L14 / W14 / H6
Material : AL 6063-T5
Finish / Color : Anodized Black



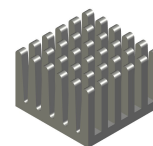
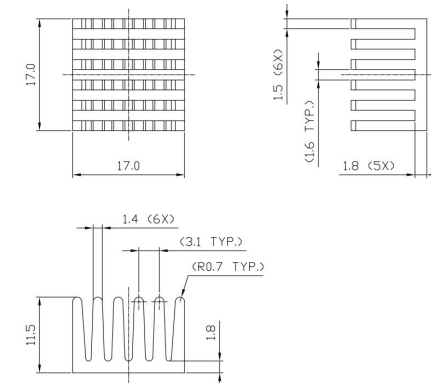
JBHAE1501

Dimensions (mm) : L15.2 / W15.2 / H6.4
Material : AL 6063-T5
Finish / Color : Anodized Black



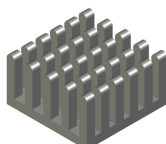
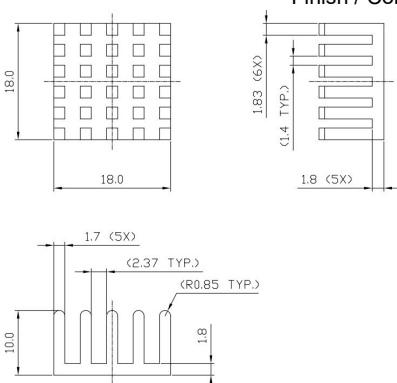
JBHAE1701

Dimensions (mm) : L17 / W17 / H11.5
Material : AL 6063-T5
Finish / Color : Anodized Black



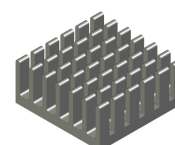
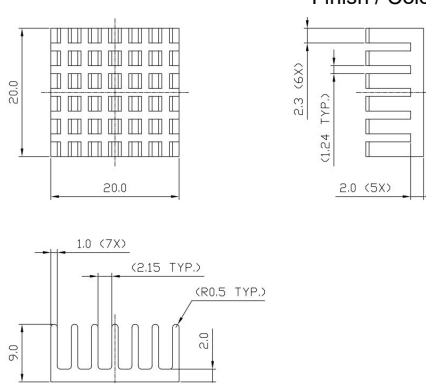
JBHAE1801

Dimensions (mm) : L18 / W18 / H10
Material : AL 6063-T5
Finish / Color : Anodized Black



JBHAE2001

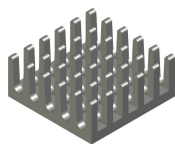
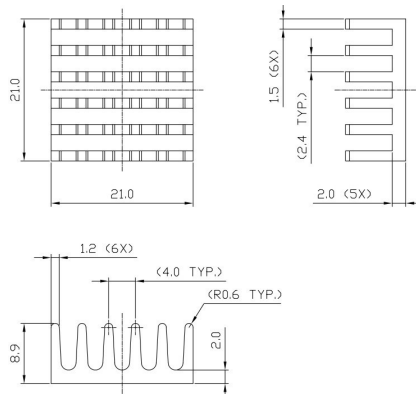
Dimensions (mm) : L20 / W20 / H9
Material : AL 6063-T5
Finish / Color : Anodized Black



BGA Series

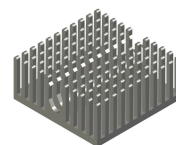
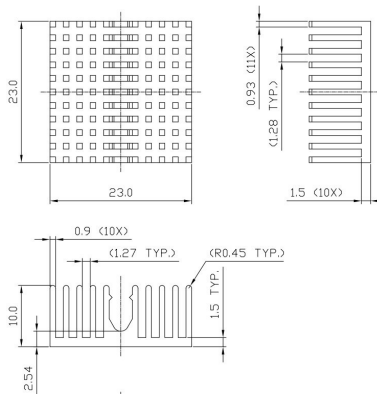
JBHAE2101

Dimensions (mm) : L21 / W21 / H8.9
Material : AL 6063-T5
Finish / Color : Anodized Black



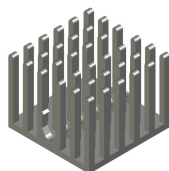
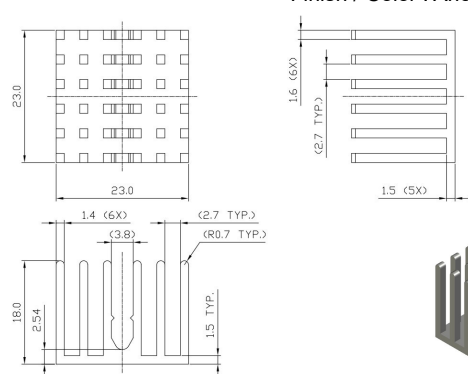
JBHAE2302

Dimensions (mm) : L23 / W23 / H10
Material : AL 6063-T5
Finish / Color : Anodized Black



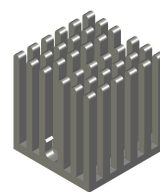
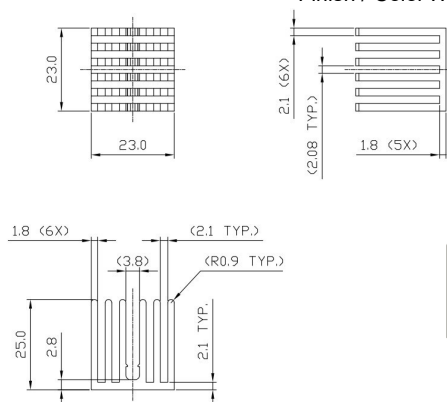
JBHAE2303

Dimensions (mm) : L23 / W23 / H18
Material : AL 6063-T5
Finish / Color : Anodized Black



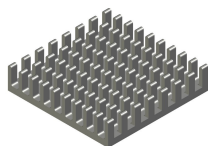
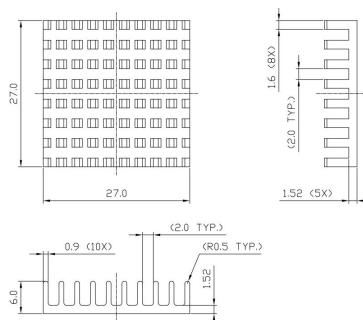
JBHAE2304

Dimensions (mm) : L23 / W23 / H25
Material : AL 6063-T5
Finish / Color : Anodized Black



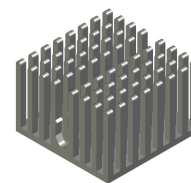
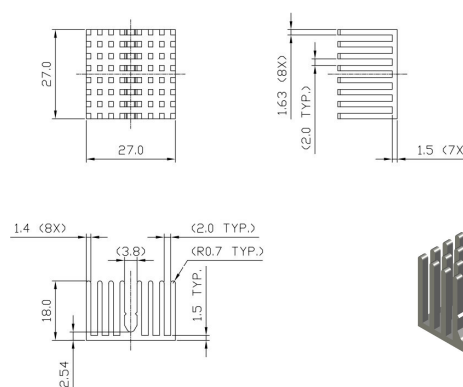
JBHAE2701

Dimensions (mm) : L27 / W27 / H6
Material : AL 6063-T5
Finish / Color : Anodized Black



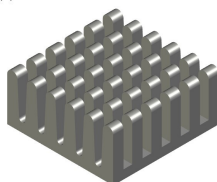
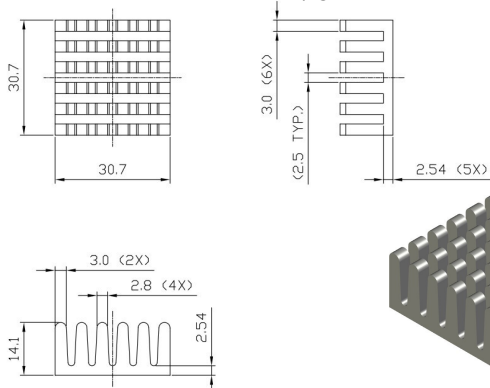
JBHAE2704

Dimensions (mm) : L27 / W27 / H18
Material : AL 6063-T5
Finish / Color : Anodized Black



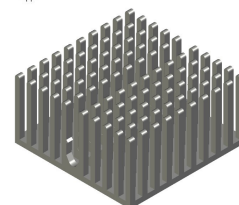
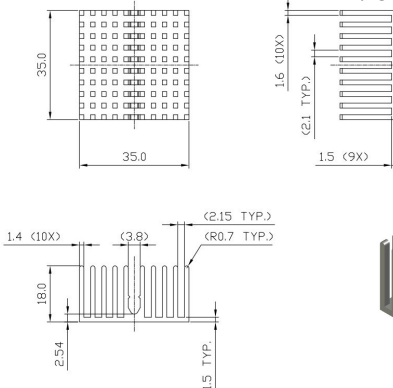
JBHAE3001

Dimensions (mm) : L30.7 / W30.7 / H14.1
Material : AL 6063-T5
Finish / Color : Anodized Black



JBHAE3503

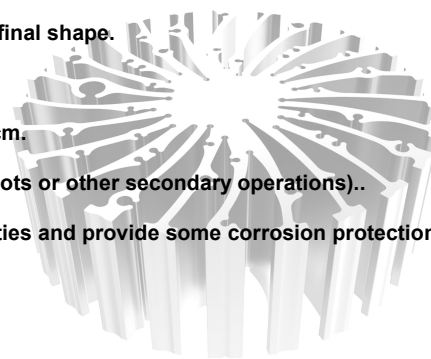
Dimensions (mm) : L35 / W35 / H18
Material : AL 6063-T5
Finish / Color : Anodized Black



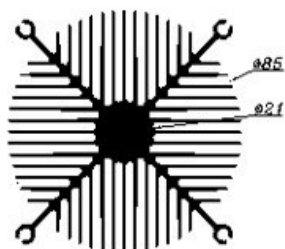
Extruded Profiles

FEATURES :

- Manufactured by pushing hot aluminum material into a steel mold to form the final shape.
- The most commonly used aluminum alloy is 6063-T5.
- When extruding the material, the maximum length of the initial product is 900cm.
- The initial product is cut to final length, which can then be machined (holes, slots or other secondary operations)..
- The surface treatment is anodized or chromated to improve its thermal properties and provide some corrosion protection.

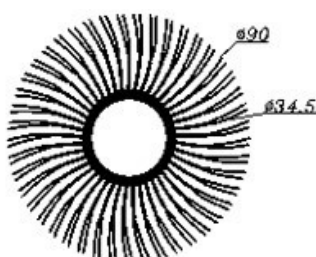


JWHAE0002



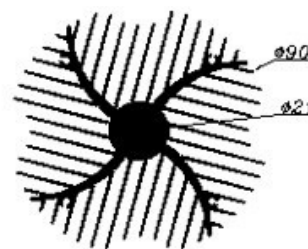
Dimensions (mm) : D85
Material : AL 6063-T5
Finish : Anodized / Clean

JWHAE0005



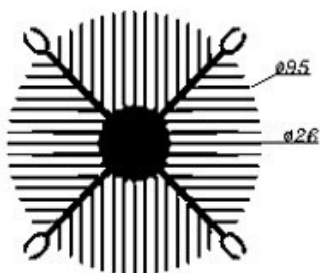
Dimensions (mm) : D90
Material : AL 6063-T5
Finish : Anodized / Clean

JWHAE0010



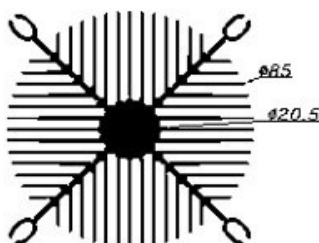
Dimensions (mm) : D90
Material : AL 6063-T5
Finish : Anodized / Clean

JWHAE0012



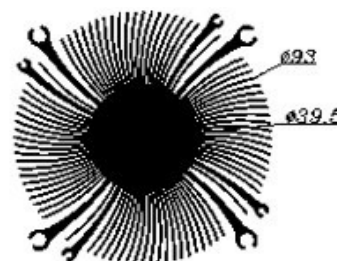
Dimensions (mm) : D95
Material : AL 6063-T5
Finish : Anodized / Clean

JWHAE0017



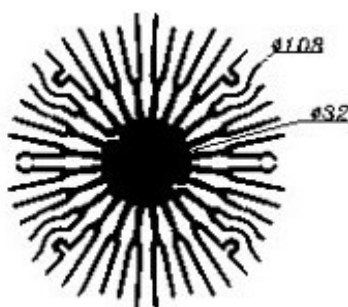
Dimensions (mm) : D85
Material : AL 6063-T5
Finish : Anodized / Clean

JWHAE0021



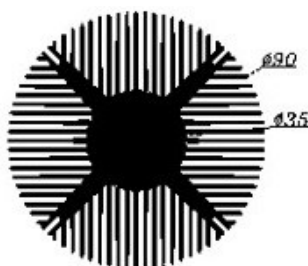
Dimensions (mm) : D93
Material : AL 6063-T5
Finish : Anodized / Clean

JWHAE0027



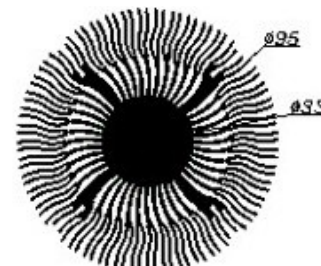
Dimensions (mm) : D108
Material : AL 6063-T5
Finish : Anodized / Clean

JWHAE0037



Dimensions (mm) : D90
Material : AL 6063-T5
Finish : Anodized / Clean

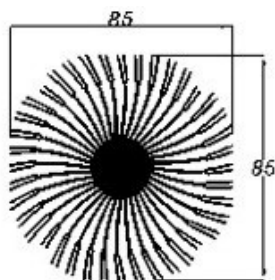
JWHAE0040



Dimensions (mm) : D95
Material : AL 6063-T5
Finish : Anodized / Clean

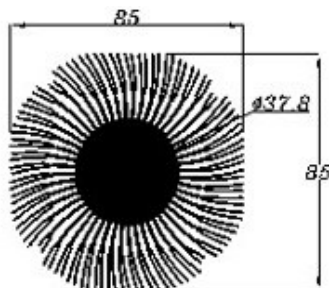
Extruded Profiles

JWHAE0009



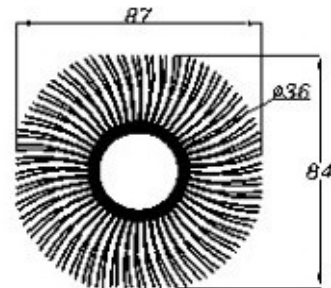
Dimensions (mm) : L85 / W85
Material : AL 6063-T5
Finish : Anodized / Clean

JWHAE0013



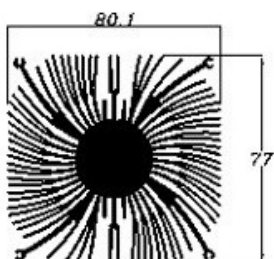
Dimensions (mm) : L85 / W85
Material : AL 6063-T5
Finish : Anodized / Clean

JWHAE0014



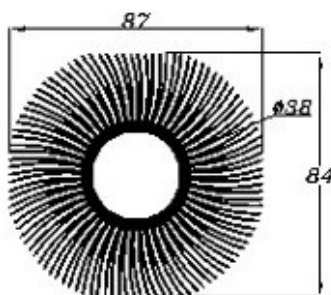
Dimensions (mm) : L87 / W84
Material : AL 6063-T5
Finish : Anodized / Clean

JWHAE0016



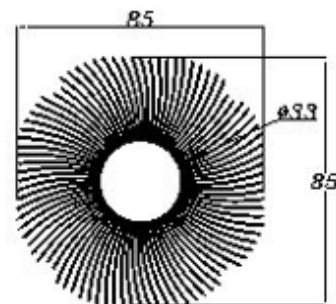
Dimensions (mm) : L80.1 / W77
Material : AL 6063-T5
Finish : Anodized / Clean

JWHAE0018



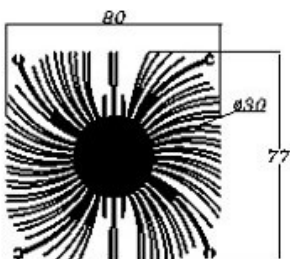
Dimensions (mm) : L87 / W84
Material : AL 6063-T5
Finish : Anodized / Clean

JWHAE0020



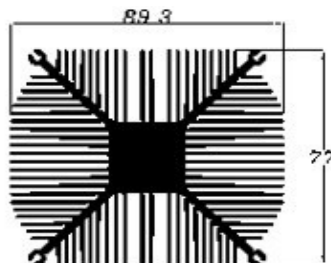
Dimensions (mm) : L85 / W85
Material : AL 6063-T5
Finish : Anodized / Clean

JWHAE0026



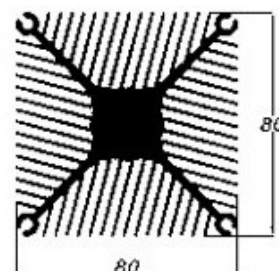
Dimensions (mm) : L80 / W77
Material : AL 6063-T5
Finish : Anodized / Clean

JWHAE0041



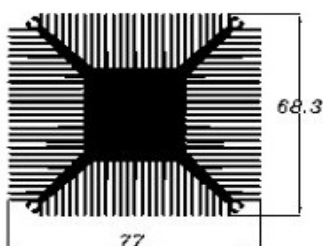
Dimensions (mm) : L89.3 / W77
Material : AL 6063-T5
Finish : Anodized / Clean

JWHAE0042



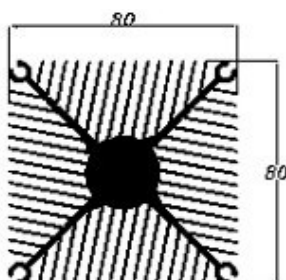
Dimensions (mm) : L80 / W80
Material : AL 6063-T5
Finish : Anodized / Clean

JWHAE0045



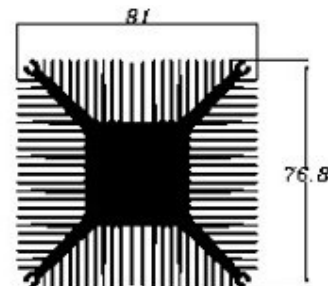
Dimensions (mm) : L77 / W68.3
Material : AL 6063-T5
Finish : Anodized / Clean

JWHAE0046



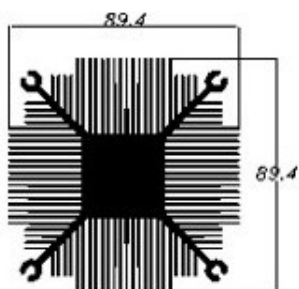
Dimensions (mm) : L80 / W80
Material : AL 6063-T5
Finish : Anodized / Clean

JWHAE0047



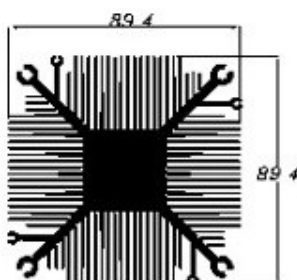
Dimensions (mm) : L81 / W76.8
Material : AL 6063-T5
Finish : Anodized / Clean

JWHAE0049



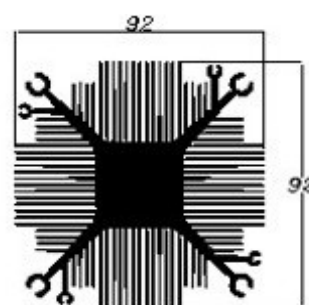
Dimensions (mm) : L89.4 / W89.4
Material : AL 6063-T5
Finish : Anodized / Clean

JWHAE0050



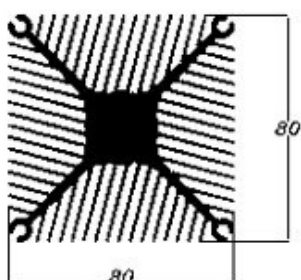
Dimensions (mm) : L89.4 / W89.4
Material : AL 6063-T5
Finish : Anodized / Clean

JWHAE0051



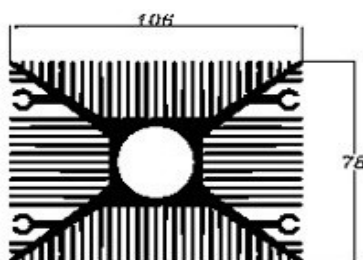
Dimensions (mm) : L92 / W92
Material : AL 6063-T5
Finish : Anodized / Clean

JWHAE0052



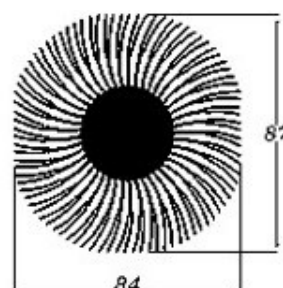
Dimensions (mm) : L80 / W80
Material : AL 6063-T5
Finish : Anodized / Clean

JWHAE0053



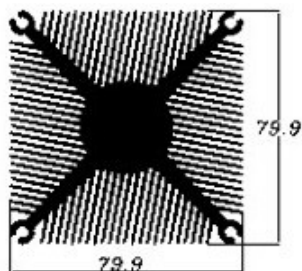
Dimensions (mm) : L106 / W78
Material : AL 6063-T5
Finish : Anodized / Clean

JWHAE0056



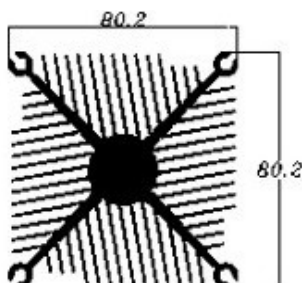
Dimensions (mm) : L87 / W84
Material : AL 6063-T5
Finish : Anodized / Clean

JWHAE0057



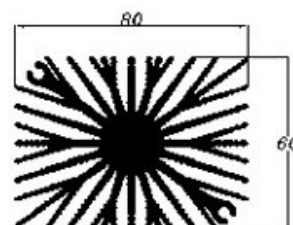
Dimensions (mm) : L79.9 / W79.9
Material : AL 6063-T5
Finish : Anodized / Clean

JWHAE0061



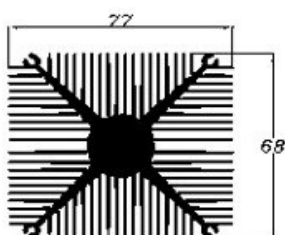
Dimensions (mm) : L80.2 / W80.2
Material : AL 6063-T5
Finish : Anodized / Clean

JWHAE0062



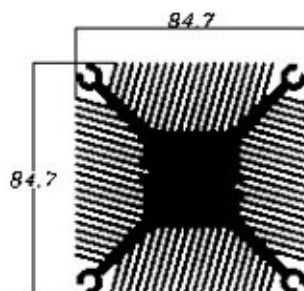
Dimensions (mm) : L80 / W60
Material : AL 6063-T5
Finish : Anodized / Clean

JWHAE0063



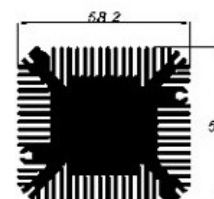
Dimensions (mm) : L77 / W68
Material : AL 6063-T5
Finish : Anodized / Clean

JWHAE0070



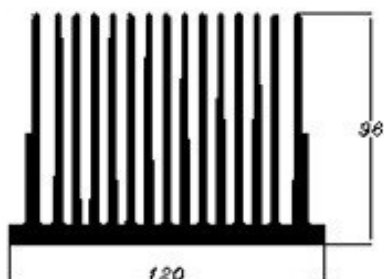
Dimensions (mm) : L84.7 / W84.7
Material : AL 6063-T5
Finish : Anodized / Clean

JWHAE0083



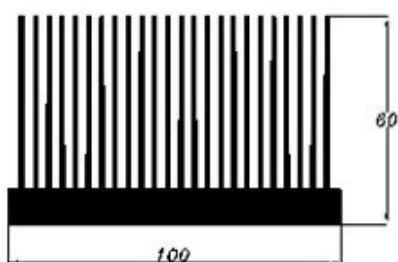
Dimensions (mm) : L58.2 / W52
Material : AL 6063-T5
Finish : Anodized / Clean

JWHAE0094



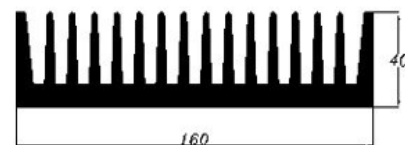
Dimensions (mm) : W120 / H98
Material : AL 6063-T5
Finish : Anodized / Clean

JWHAE0098



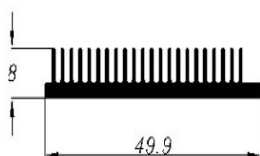
Dimensions (mm) : W100 / H80
Material : AL 6063-T5
Finish : Anodized / Clean

JWHAE0222



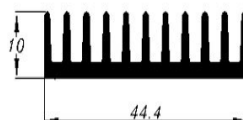
Dimensions (mm) : W160 / H40
Material : AL 6063-T5
Finish : Anodized / Clean

JWHAE0153



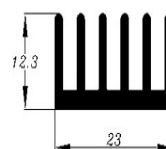
Dimensions (mm) : W49.9 / H8
Material : AL 6063-T5
Finish : Anodized / Clean

JWHAE0155



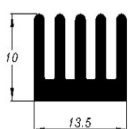
Dimensions (mm) : W44.4 / H10
Material : AL 6063-T5
Finish : Anodized / Clean

JWHAE0156



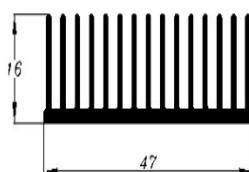
Dimensions (mm) : W23 / H12.3
Material : AL 6063-T5
Finish : Anodized / Clean

JWHAE0158



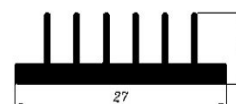
Dimensions (mm) : W13.5 / H10
Material : AL 6063-T5
Finish : Anodized / Clean

JWHAE0160



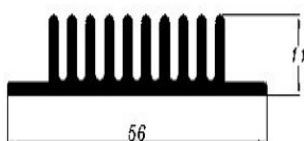
Dimensions (mm) : W47 / H16
Material : AL 6063-T5
Finish : Anodized / Clean

JWHAE0161



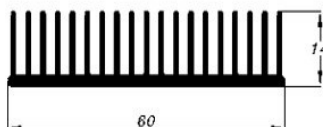
Dimensions (mm) : W27 / H7
Material : AL 6063-T5
Finish : Anodized / Clean

JWHAE0163



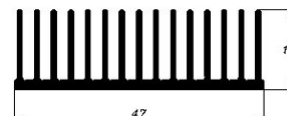
Dimensions (mm) : W56 / H11
Material : AL 6063-T5
Finish : Anodized / Clean

JWHAE0166



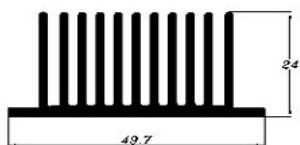
Dimensions (mm) : W60 / H14
Material : AL 6063-T5
Finish : Anodized / Clean

JWHAE0167



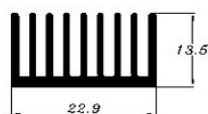
Dimensions (mm) : W47 / H16
Material : AL 6063-T5
Finish : Anodized / Clean

JWHAE0169



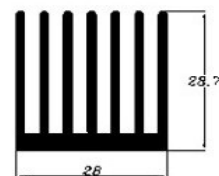
Dimensions (mm) : W49.7 / H24
Material : AL 6063-T5
Finish : Anodized / Clean

JWHAE0170



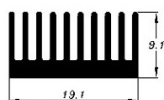
Dimensions (mm) : W22.9 / H13.5
Material : AL 6063-T5
Finish : Anodized / Clean

JWHAE0175



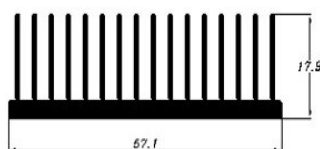
Dimensions (mm) : W28 / H28.7
Material : AL 6063-T5
Finish : Anodized / Clean

JWHAE0176



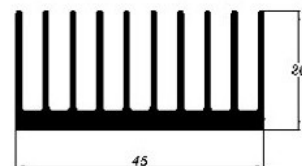
Dimensions (mm) : W19.1 / H9.1
Material : AL 6063-T5
Finish : Anodized / Clean

JWHAE0177



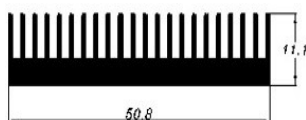
Dimensions (mm) : W57.1 / H17.9
Material : AL 6063-T5
Finish : Anodized / Clean

JWHAE0178



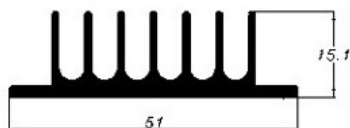
Dimensions (mm) : W45 / H20
Material : AL 6063-T5
Finish : Anodized / Clean

JWHAE0179



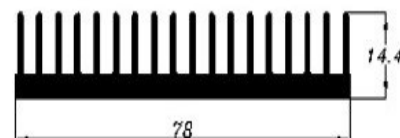
Dimensions (mm) : W50.8 / H11.1
Material : AL 6063-T5
Finish : Anodized / Clean

JWHAE0180



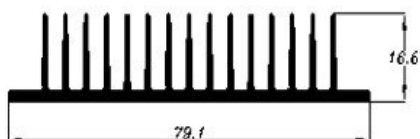
Dimensions (mm) : W51 / H15.1
Material : AL 6063-T5
Finish : Anodized / Clean

JWHAE0181



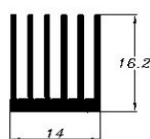
Dimensions (mm) : W78 / H14.4
Material : AL 6063-T5
Finish : Anodized / Clean

JWHAE0182



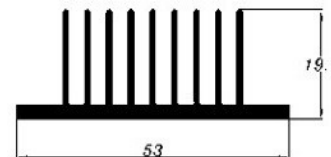
Dimensions (mm) : W79.1 / H16.6
Material : AL 6063-T5
Finish : Anodized / Clean

JWHAE0184



Dimensions (mm) : W14 / H16.2
Material : AL 6063-T5
Finish : Anodized / Clean

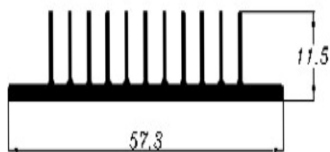
JWHAE0186



Dimensions (mm) : W53 / H19.1
Material : AL 6063-T5
Finish : Anodized / Clean

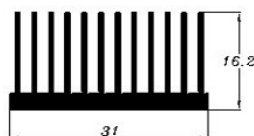
Extruded Profiles

JWHAE0187



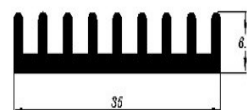
Dimensions (mm) : W57.3 / H11.5
Material : AL 6063-T5
Finish : Anodized / Clean

JWHAE0188



Dimensions (mm) : W31 / H16.2
Material : AL 6063-T5
Finish : Anodized / Clean

JWHAE0190



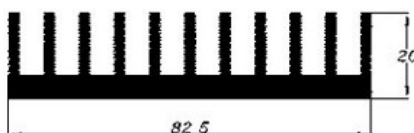
Dimensions (mm) : W35 / H6.1
Material : AL 6063-T5
Finish : Anodized / Clean

JWHAE0194



Dimensions (mm) : W134.8 / H40
Material : AL 6063-T5
Finish : Anodized / Clean

JWHAE0198



Dimensions (mm) : W82.5 / H20
Material : AL 6063-T5
Finish : Anodized / Clean

JWHAE0206



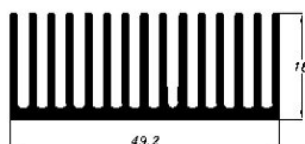
Dimensions (mm) : W116 / H6.6
Material : AL 6063-T5
Finish : Anodized / Clean

JWHAE0212



Dimensions (mm) : W90 / H14.7
Material : AL 6063-T5
Finish : Anodized / Clean

JWHAE0216



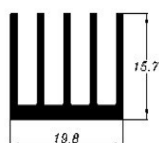
Dimensions (mm) : W49.2 / H16
Material : AL 6063-T5
Finish : Anodized / Clean

JWHAE0217



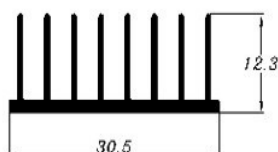
Dimensions (mm) : W45.8 / H36.6
Material : AL 6063-T5
Finish : Anodized / Clean

JWHAE0234



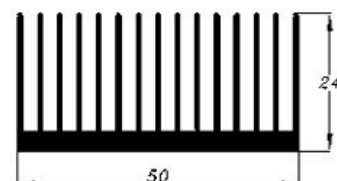
Dimensions (mm) : W19.8 / H15.7
Material : AL 6063-T5
Finish : Anodized / Clean

JWHAE0235



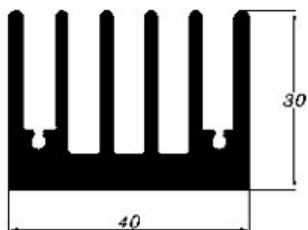
Dimensions (mm) : W30.5 / H12.3
Material : AL 6063-T5
Finish : Anodized / Clean

JWHAE0239



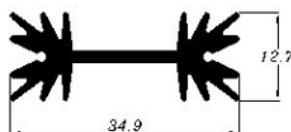
Dimensions (mm) : W50 / H24
Material : AL 6063-T5
Finish : Anodized / Clean

JWHAE0200



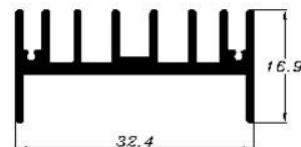
Dimensions (mm) : W40 / H30
Material : AL 6063-T5
Finish : Anodized / Clean

JWHAE0202



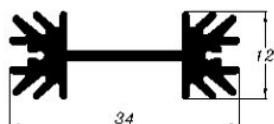
Dimensions (mm) : W34.9 / H12.7
Material : AL 6063-T5
Finish : Anodized / Clean

JWHAE0204



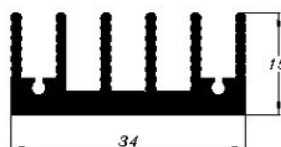
Dimensions (mm) : W32.4 / H16.9
Material : AL 6063-T5
Finish : Anodized / Clean

JWHAE0205



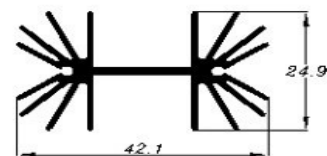
Dimensions (mm) : W34 / H12
Material : AL 6063-T5
Finish : Anodized / Clean

JWHAE0208



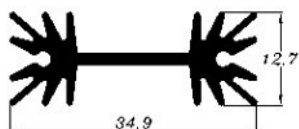
Dimensions (mm) : W34 / H15
Material : AL 6063-T5
Finish : Anodized / Clean

JWHAE0215



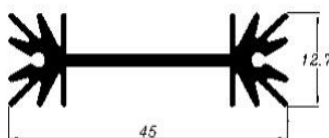
Dimensions (mm) : W42.1 / H24.9
Material : AL 6063-T5
Finish : Anodized / Clean

JWHAE0220



Dimensions (mm) : W34.9 / H12.7
Material : AL 6063-T5
Finish : Anodized / Clean

JWHAE0221



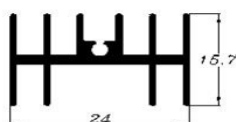
Dimensions (mm) : W45 / H12.7
Material : AL 6063-T5
Finish : Anodized / Clean

JWHAE0226



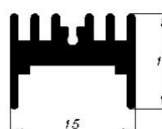
Dimensions (mm) : W35 / H12.7
Material : AL 6063-T5
Finish : Anodized / Clean

JWHAE0230



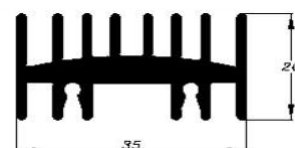
Dimensions (mm) : W24 / H15.7
Material : AL 6063-T5
Finish : Anodized / Clean

JWHAE0236



Dimensions (mm) : W15 / H11
Material : AL 6063-T5
Finish : Anodized / Clean

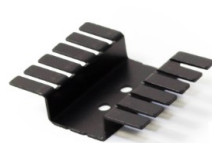
JWHAE0269



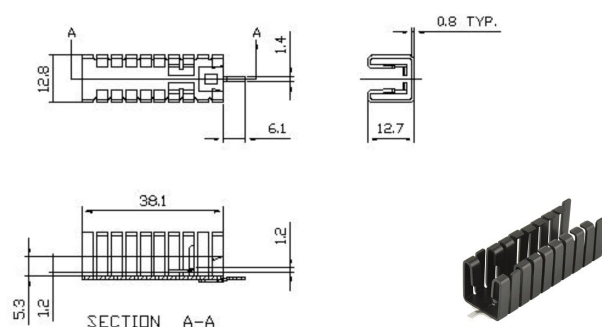
Dimensions (mm) : W35 / H20
Material : AL 6063-T5
Finish : Anodized / Clean

FEATURES :

- Be combined from two parts - the base, and stamped fin.
- Be made using a die stamping process.
- Could be stamped into a broad range of geometries and thicknesses.
- This technique offers a low non-recurring engineering charge, prototype set up costs are minimal.

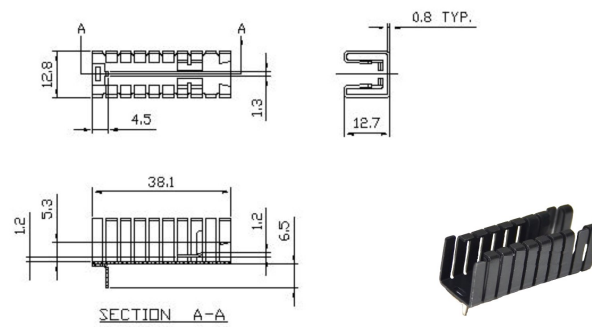


JBHAS0041



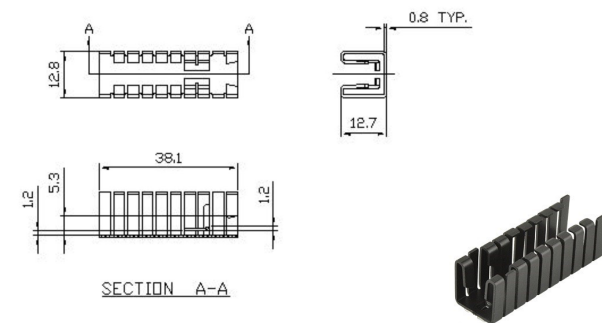
Dimensions (mm) : L38.1 / W12.8 / H12.7 / T0.8
Material : AL 5052
Finish / Color : Anodized Black

JBHAS0042



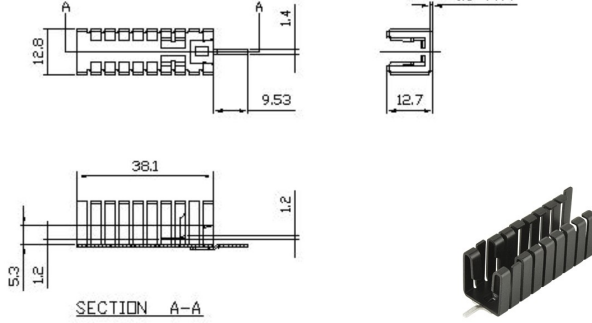
Dimensions (mm) : L38.1 / W12.8 / H12.7 / T0.8
Material : AL 5052
Finish / Color : Anodized Black

JBHAS0043



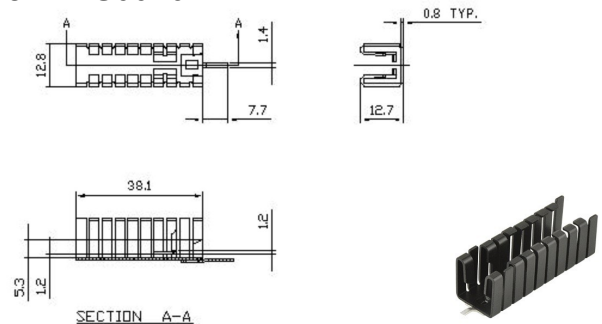
Dimensions (mm) : L38.1 / W12.8 / H12.7 / T0.8
Material : AL 5052
Finish / Color : Anodized Black

JBHAS0045



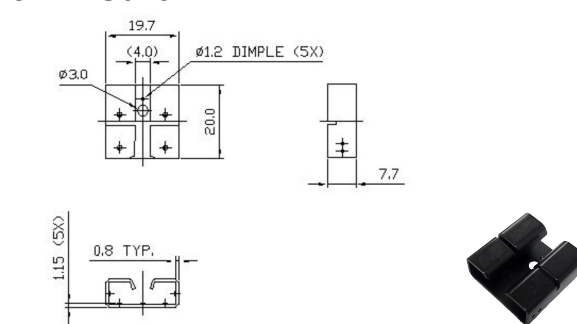
Dimensions (mm) : L38.1 / W12.8 / H12.7 / T0.8
Material : AL 5052
Finish / Color : Anodized Black

JBHAS0046



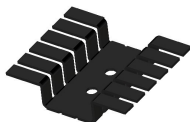
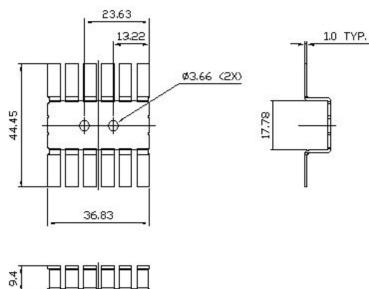
Dimensions (mm) : L38.1 / W12.8 / H12.7 / T0.8
Material : AL 5052
Finish / Color : Anodized Black

JBHAS0181



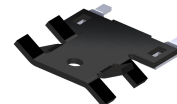
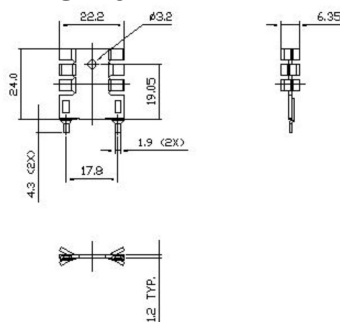
Dimensions (mm) : L20 / W19.7 / H7.7 / T0.8
Material : AL 5052
Finish / Color : Anodized Black

JBHAS0341



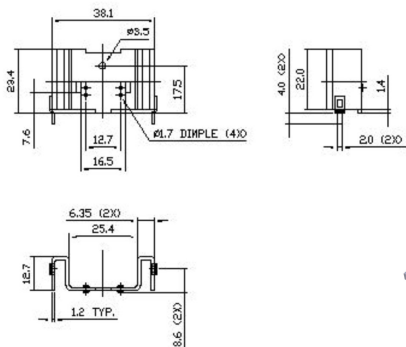
Dimensions (mm) : L36.8 / W44.5 / H9.4 / T1.0
Material : AL 1050
Finish / Color : Anodized Black

JBHAS1151



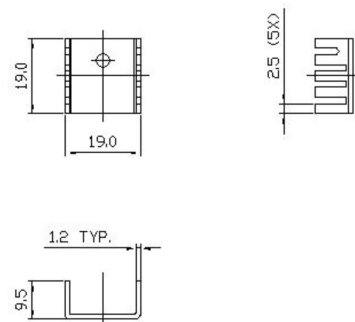
Dimensions (mm) : L24 / W22.2 / H6.35 / T1.2
Material : AL 1050
Finish / Color : Anodized Black

JBHAS1401



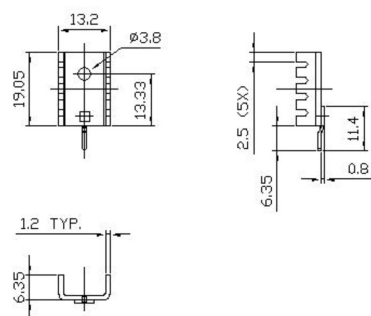
Dimensions (mm) : L23.4 / W38.1 / H12.7 / T1.2
Material : AL 1050
Finish / Color : Anodized Black

JBHAS2222



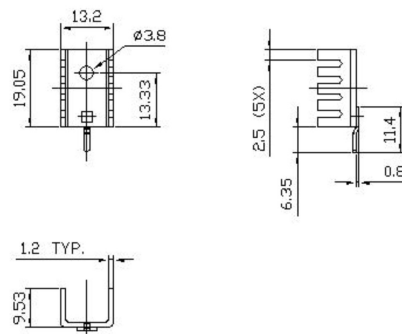
Dimensions (mm) : L19 / W19 / H9.5 / T1.2
Material : AL 1050
Finish / Color : Anodized Black

JBHAS2371



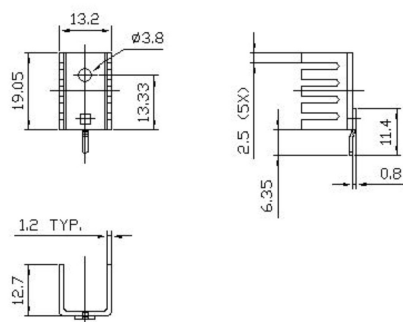
Dimensions (mm) : L19.05 / W13.2 / H6.35 / T1.2
Material : AL 1050
Finish / Color : Anodized Black

JBHAS2372



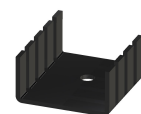
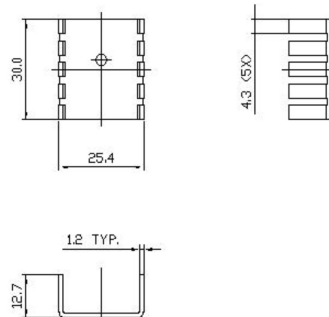
Dimensions (mm) : L19.05 / W13.2 / H9.53 / T1.2
Material : AL 1050
Finish / Color : Anodized Black

JBHAS2373



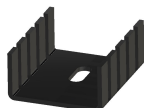
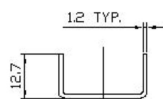
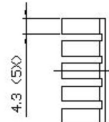
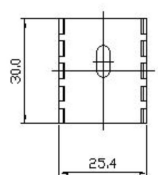
Dimensions (mm) : L19.05 / W13.2 / H12.7 / T1.2
Material : AL 1050
Finish / Color : Anodized Black

JBHAS2391



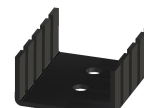
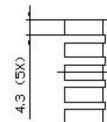
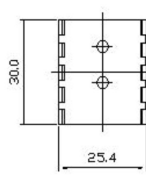
Dimensions (mm) : L30 / W25.4 / H12.7 / T1.2
Material : AL 1050
Finish / Color : Anodized Black

JBHAS2392



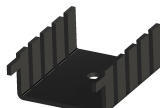
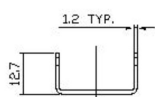
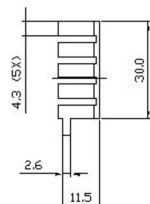
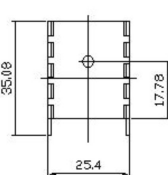
Dimensions (mm) : L30 / W25.4 / H12.7 / T1.2
Material : AL 1050
Finish / Color : Anodized Black

JBHAS2393



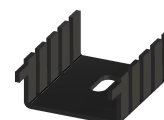
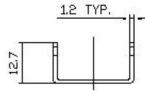
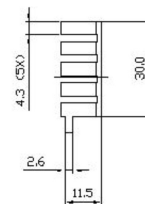
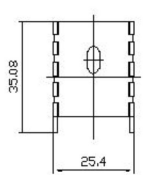
Dimensions (mm) : L30 / W25.4 / H12.7 / T1.2
Material : AL 1050
Finish / Color : Anodized Black

JBHAS2394



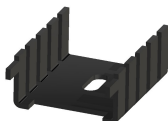
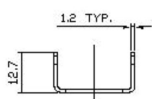
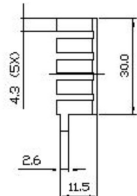
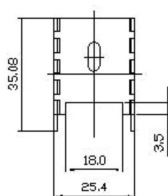
Dimensions (mm) : L30 / W25.4 / H12.7 / T1.2
Material : AL 1050
Finish / Color : Anodized Black

JBHAS2395



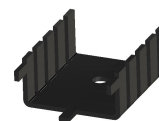
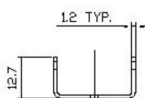
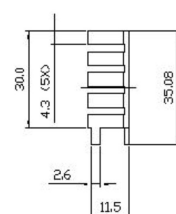
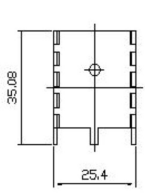
Dimensions (mm) : L30 / W25.4 / H12.7 / T1.2
Material : AL 1050
Finish / Color : Anodized Black

JBHAS2396



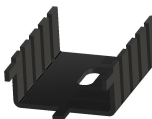
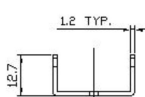
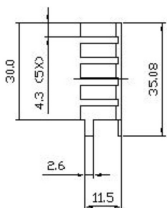
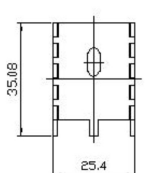
Dimensions (mm) : L30 / W25.4 / H12.7 / T1.2
Material : AL 1050
Finish / Color : Anodized Black

JBHAS2397



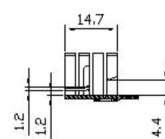
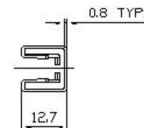
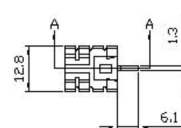
Dimensions (mm) : L30 / W25.4 / H12.7 / T1.2
Material : AL 1050
Finish / Color : Anodized Black

JBHAS2398



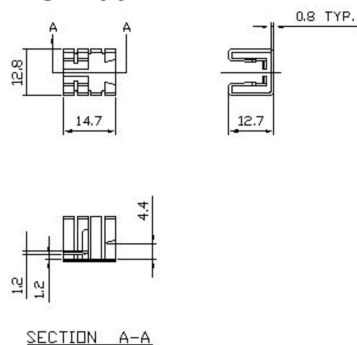
Dimensions (mm) : L30 / W25.4 / H12.7 / T1.2
Material : AL 1050
Finish / Color : Anodized Black

JBHAS2401



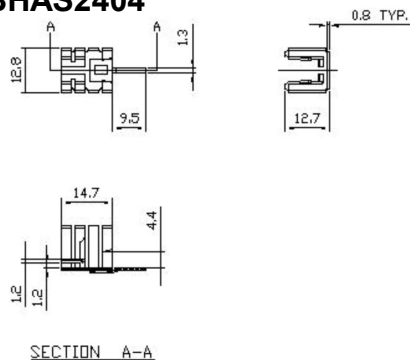
Dimensions (mm) : L15 / W12.8 / H12.7 / T0.8
Material : AL 5052
Finish / Color : Anodized Black

JBHAS2403



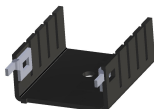
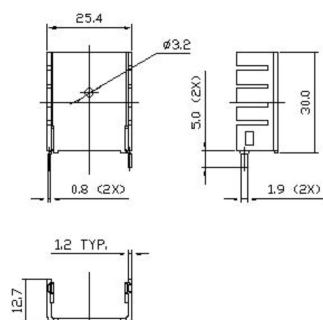
Dimensions (mm) : L15 / W12.8 / H12.7 / T0.8
Material : AL 5052
Finish / Color : Anodized Black

JBHAS2404



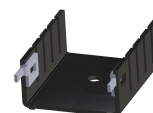
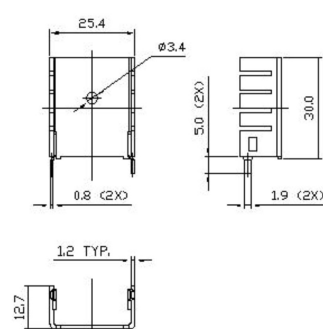
Dimensions (mm) : L15 / W12.8 / H12.7 / T0.8
Material : AL 5052
Finish / Color : Anodized Black

JBHAS2422



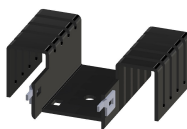
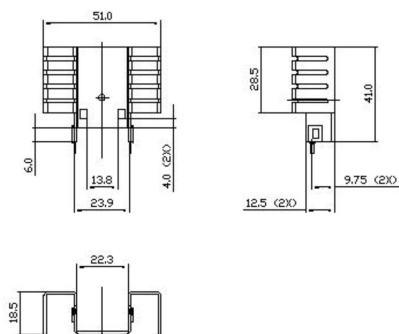
Dimensions (mm) : L30 / W25.4 / H12.7 / T1.2
Material : AL 1050
Finish / Color : Anodized Black

JBHAS2426



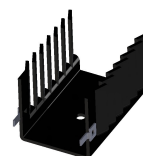
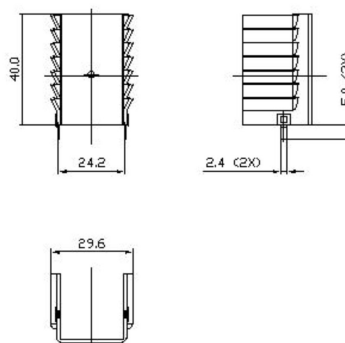
Dimensions (mm) : L30 / W25.4 / H12.7 / T1.2
Material : AL 1050
Finish / Color : Anodized Black

JBHAS2522



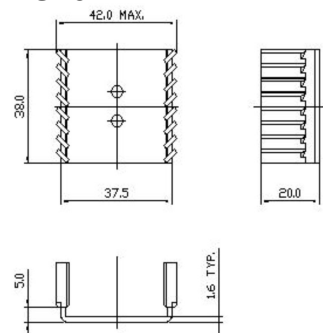
Dimensions (mm) : L41 / W51 / H18.5 / T1.2
Material : AL 1050
Finish / Color : Anodized Black

JBHAS2531



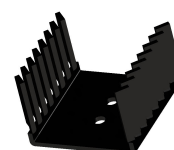
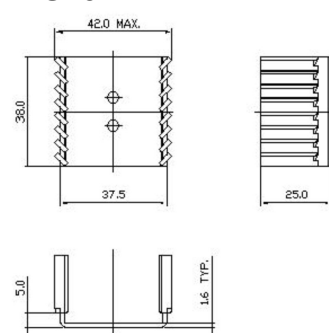
Dimensions (mm) : L40 / W30 / H25 / T1.2
Material : AL 1050
Finish / Color : Anodized Black

JBHAS2541



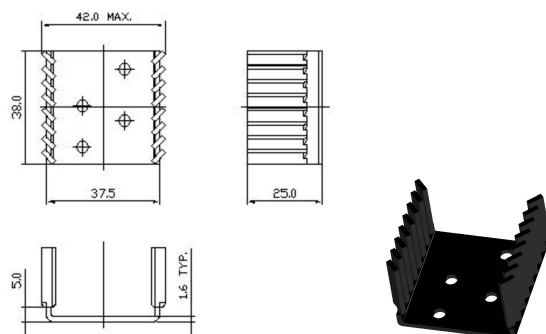
Dimensions (mm) : L38 / W42 / H20 / T1.5
Material : AL 1050
Finish / Color : Anodized Black

JBHAS2542



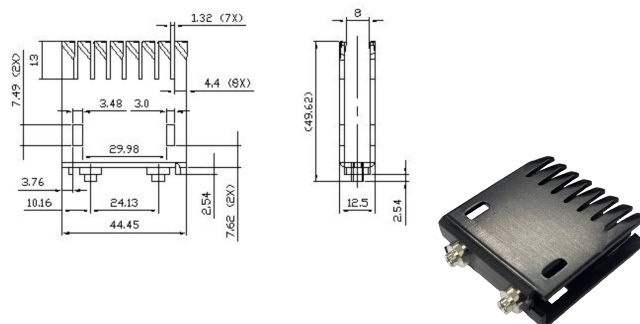
Dimensions (mm) : L38 / W42 / H25 / T1.5
Material : AL 1050
Finish / Color : Anodized Black

JBHAS2544



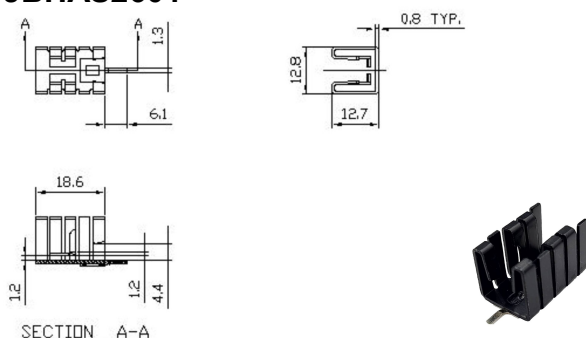
Dimensions (mm) : L38 / W42 / H25 / T1.5
Material : AL 1050
Finish / Color : Anodized Black

JBHAS8071



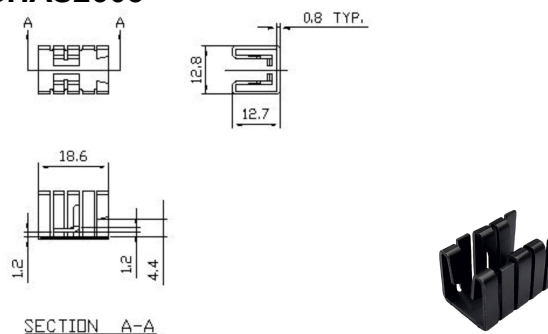
Dimensions (mm) : L44.5 / W12.5 / H44.5 / T1.6
Material : AL 1050
Finish / Color : Anodized Black

JBHAS2601



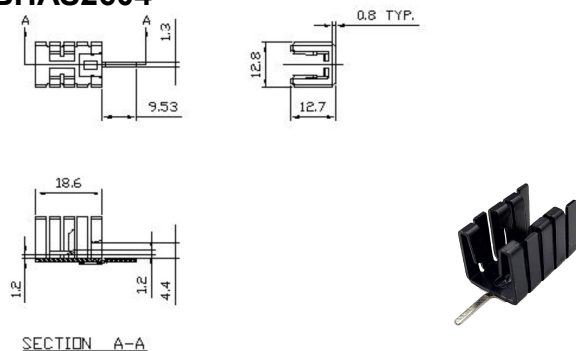
Dimensions (mm) : L19 / W12.8 / H12.7 / T0.8
Material : AL 5052
Finish / Color : Anodized Black

JBHAS2603



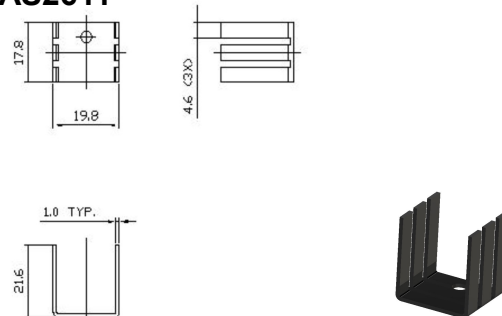
Dimensions (mm) : L19 / W12.8 / H12.7 / T0.8
Material : AL 5052
Finish / Color : Anodized Black

JBHAS2604



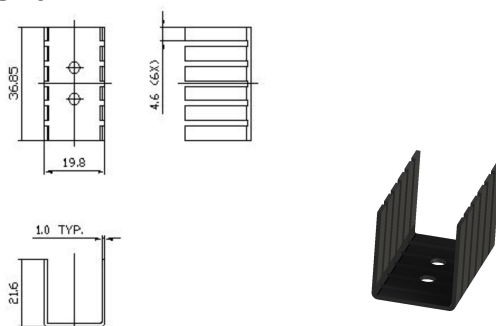
Dimensions (mm) : L19 / W12.8 / H12.7 / T0.8
Material : AL 5052
Finish / Color : Anodized Black

JBHAS2611



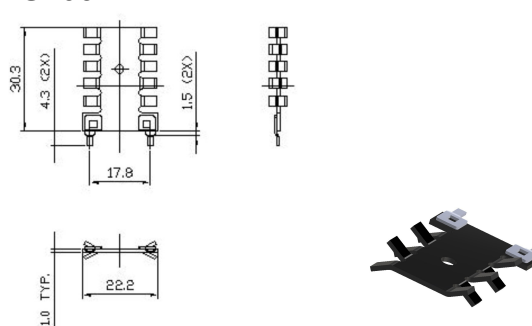
Dimensions (mm) : L17.8 / W19.8 / H21.6 / T1
Material : AL 1050
Finish / Color : Anodized Black

JBHAS2621



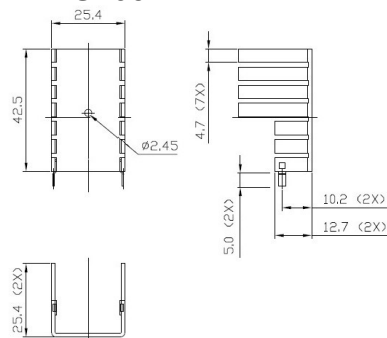
Dimensions (mm) : L36.8 / W17.8 / H21.6 / T1
Material : AL 1050
Finish / Color : Anodized Black

JBHAS2631



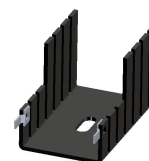
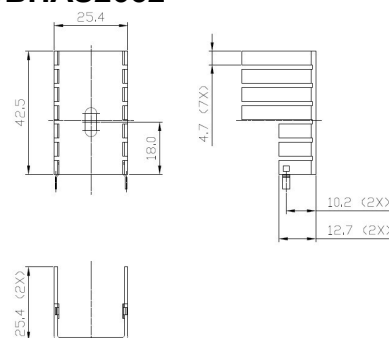
Dimensions (mm) : L30.3 / W22.2 / H5.35 / T1
Material : AL 1050
Finish / Color : Anodized Black

JBHAS2651



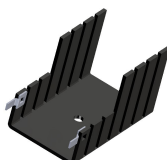
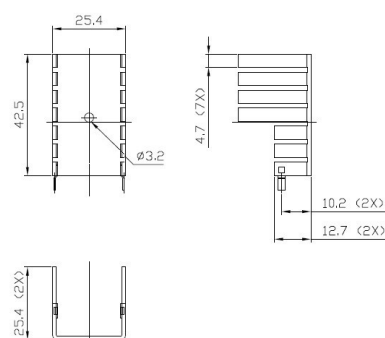
Dimensions (mm) : L42.5 / W25.4 / H25.4 / T1.2
Material : AL 1050
Finish / Color : Anodized Black

JBHAS2652



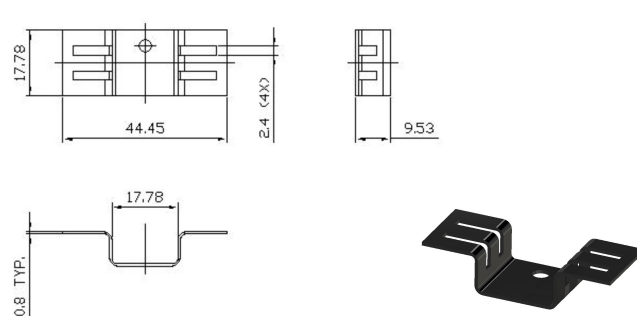
Dimensions (mm) : L42.5 / W25.4 / H25.4 / T1.2
Material : AL 1050
Finish / Color : Anodized Black

JBHAS2653



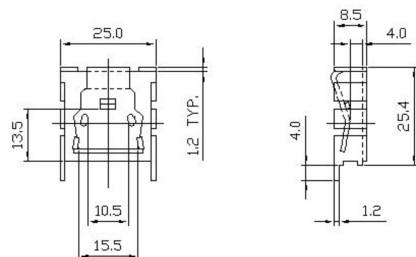
Dimensions (mm) : L42.5 / W25.4 / H25.4 / T1.2
Material : AL 1050
Finish / Color : Anodized Black

JBHAS2821



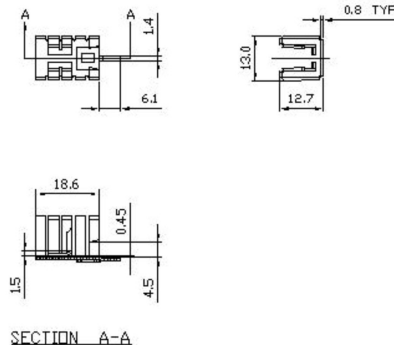
Dimensions (mm) : L17.8 / W44.5 / H9.5 / T1
Material : AL 1050
Finish / Color : Anodized Black

JBHAS2852



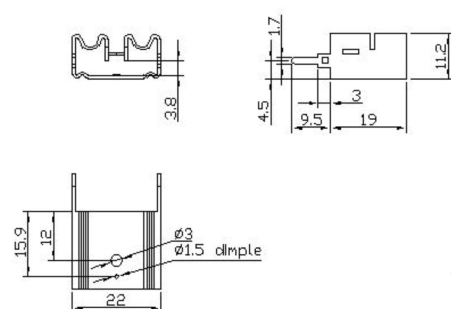
Dimensions (mm) : L25.4 / W25 / H8.5 / T1.2
Material : AL 5052
Finish / Color : Anodized Black

JBHAS2051



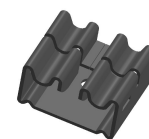
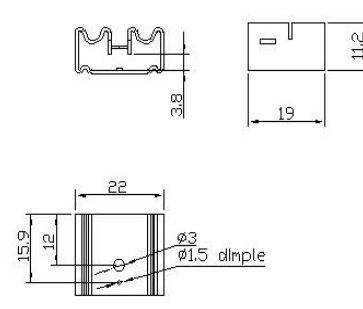
Dimensions (mm) : L19 / W13 / H12.7 / T0.8
Material : AL 5052
Finish / Color : Anodized Black

JBHAS2281



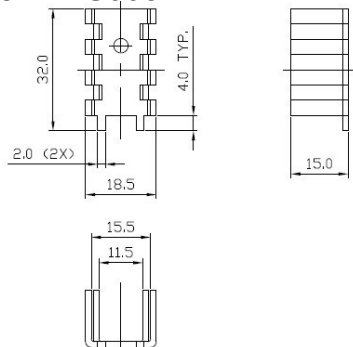
Dimensions (mm) : L19 / W22 / H11.2 / T0.8
Material : AL 5052
Finish / Color : Anodized Black

JBHAS2291



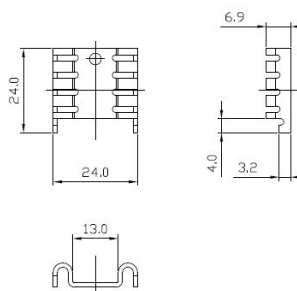
Dimensions (mm) : L19 / W22 / H11.2 / T0.8
Material : AL 5052
Finish / Color : Anodized Black

JBHAS0081



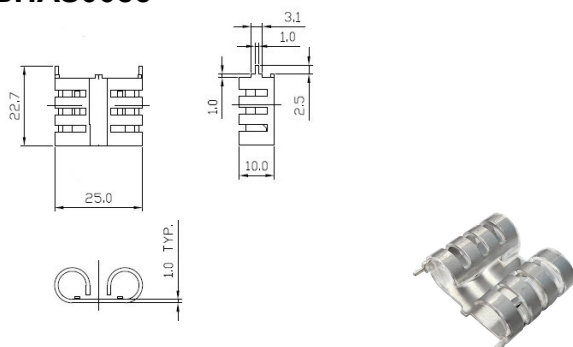
Dimensions (mm) : L28 / W18.5 / H15 / T1.2
Material : AL1050
Finish / Color : Black Anodized

JBHAS0082



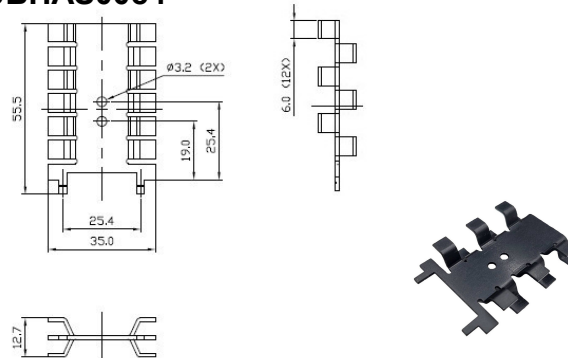
Dimensions (mm) : L20 / W24 / H6.9 / T1.2
Material : AL1050
Finish / Color : Black Anodized

JBHAS0083



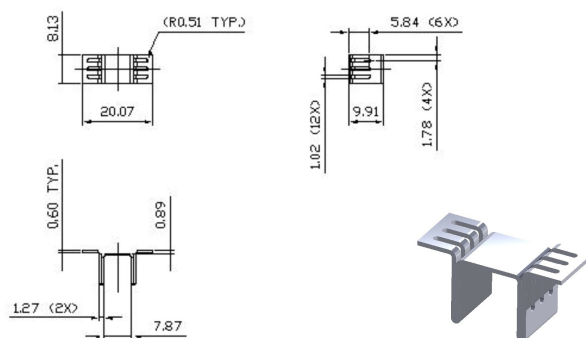
Dimensions (mm) : L22.7 / W25 / H10 / T1.2
Material : AL1050
Finish / Color : Clean

JBHAS0084



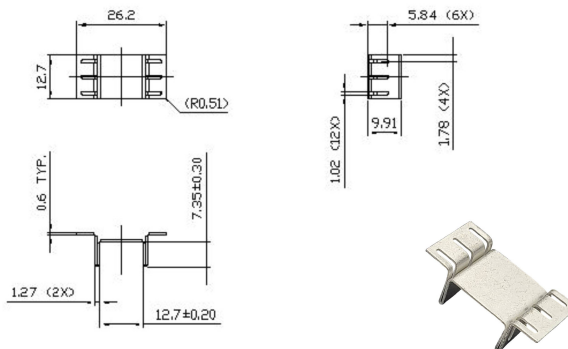
Dimensions (mm) : L55.5 / W35 / H12.7 / T1.2
Material : AL1050
Finish / Color : Black Anodized

JBHCS0132



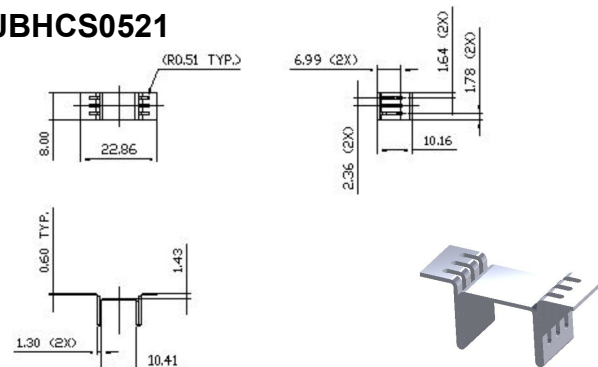
Dimensions (mm) : L8.13 / W20.07 / H9.91 / T0.6
Material : C1100
Finish / Color : Tin Plated

JBHCS0133



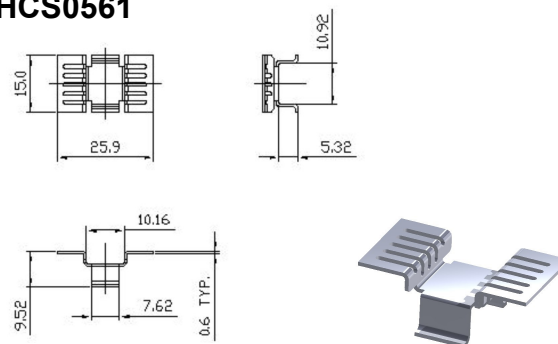
Dimensions (mm) : L12.7 / W26.2 / H9.91 / T0.6
Material : C1100
Finish / Color : Tin Plated

JBHCS0521



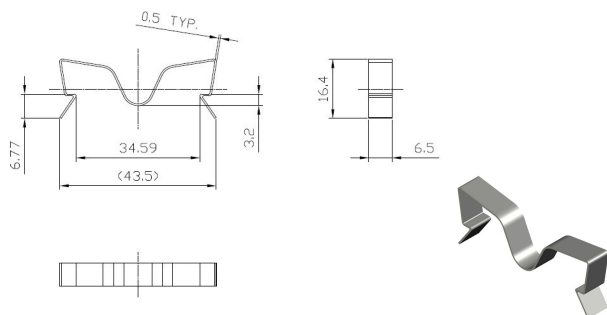
Dimensions (mm) : L8 / W22.86 / H10.16 / T0.6
Material : C1100
Finish / Color : Tin Plated

JBHCS0561

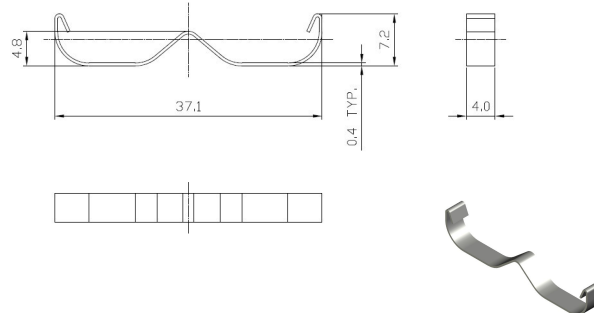


Dimensions (mm) : L14.99 / W25.91 / H9.52 / T0.6
Material : C1100
Finish / Color : Tin Plated

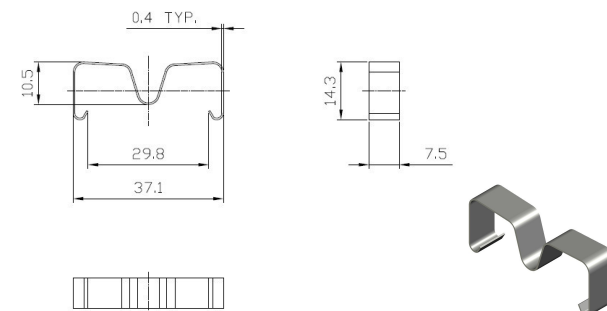
Clips

JBASS0041

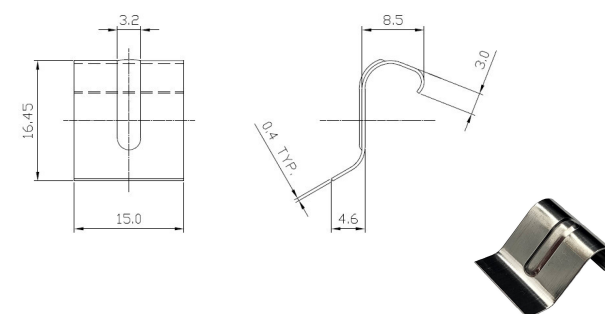
Dimensions (mm) : L6.5 / W43.43 / H16.3 / T0.5
 Material : SUS301 Finish : Clean
 For : JBHAE8011 / JBHAE8012 / JBHAE8013 / JBHAE8014
 JBHAE8016 / JBHAE8017 / JBHAE8018 / JBHAE8019

JBASS0421

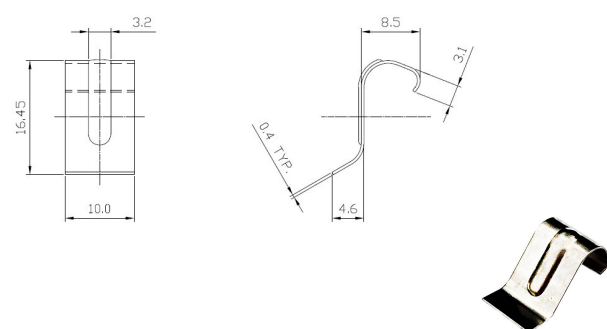
Dimensions (mm) : L4 / W37.1 / H7.2 / T0.4
 Material : SUS301
 Finish : Clean
 For : JBHAE2872 / JBHAE2873 / JBHAE2874 / JBHAE2875

JBASS0441

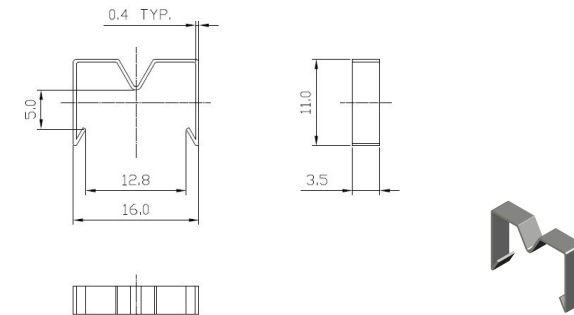
Dimensions (mm) : L7.5 / W37.1 / H14.3 / T0.4
 Material : SUS301
 Finish : Clean
 For : JBHAE0361 / JBHAE0362 / JBHAE0363

JBASS0631

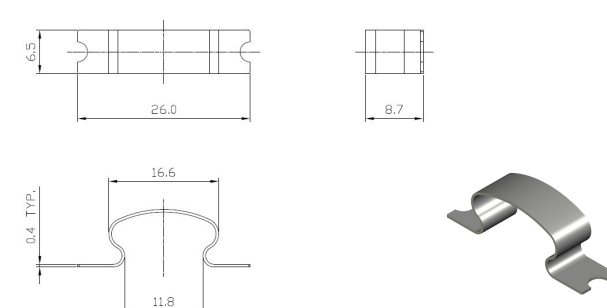
Dimensions (mm) : L15 / W16.45 / H12.7 / T0.4
 Material : SUS301
 Finish : Clean

JBASS0641

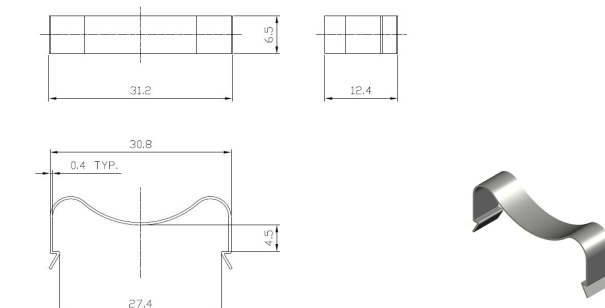
Dimensions (mm) : L10 / W16.45 / H12.7 / T0.4
 Material : SUS301
 Finish : Clean

JBASS0061

Dimensions (mm) : L3.5 / W16 / H11 / T0.4
 Material : SUS301
 Finish : Clean
 For : JBHAS2522

JBASS0071

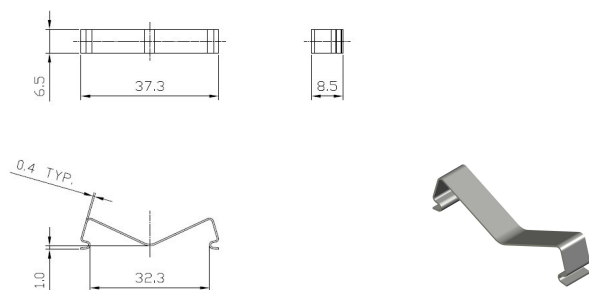
Dimensions (mm) : L6.5 / W26 / H8 / T0.4
 Material : SUS301 Finish : Clean
 For : JBHAE8110 / JBHAE8111 / JBHAE8112 / JBHAE8113 /
 JBHAE8114

JBASS0081

Dimensions (mm) : L6.5 / W30.8 / H12.38 / T0.4
 Material : SUS301
 Finish : Clean
 For : JBHAS8071

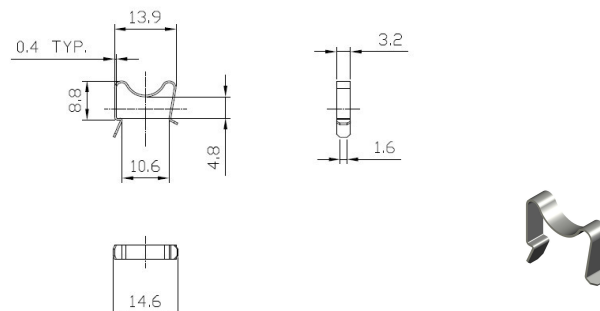
Clips

JBASS0101



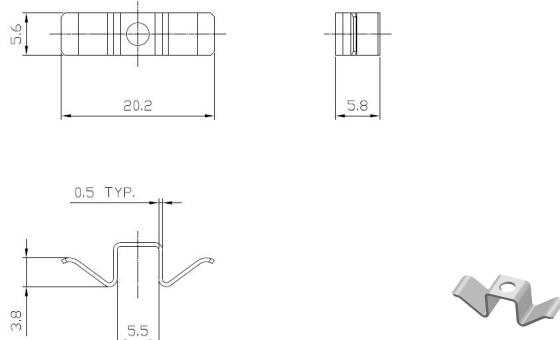
Dimensions (mm) : L6.5 / W37.3 / H8.5 / T0.4
Material : SUS301
Finish : Clean
For : JBHAE2012 / JBHAE2013 / JBHAE2014 / JBHAE2015

JBASS0141



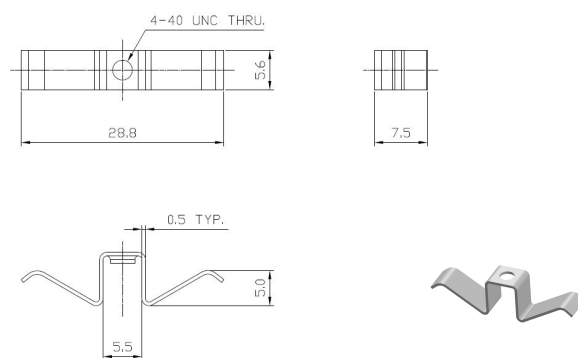
Dimensions (mm) : L3.2 / W13.9 / H12.73 / T0.4
Material : SUS301
Finish : Clean
For : JBHAS0963

JBASS4681



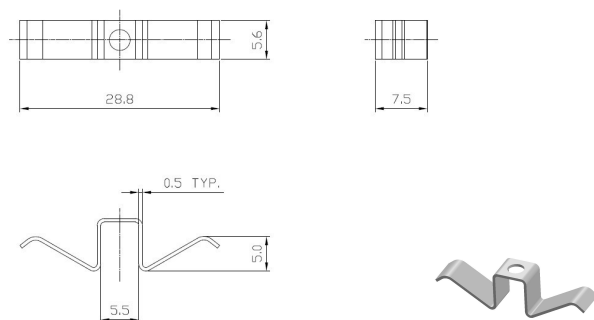
Dimensions (mm) : L5.6 / W20.2 / H5.8 / T0.5
Material : SK7
Finish : Zinc Plating

JBASS4682



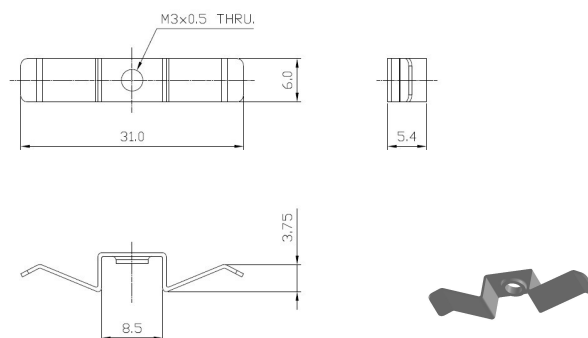
Dimensions (mm) : L5.6 / W28.8 / H7.5 / T0.5
Material : CRS
Finish : Zinc Plating

JBASS4683



Dimensions (mm) : L5.6 / W28.8 / H7.5 / T0.5
Material : SK7
Finish : Zinc Plating

JBASS4741



Dimensions (mm) : L6 / W31 / H5.4 / T0.5
Material : SK7
Finish : Nickel Plating

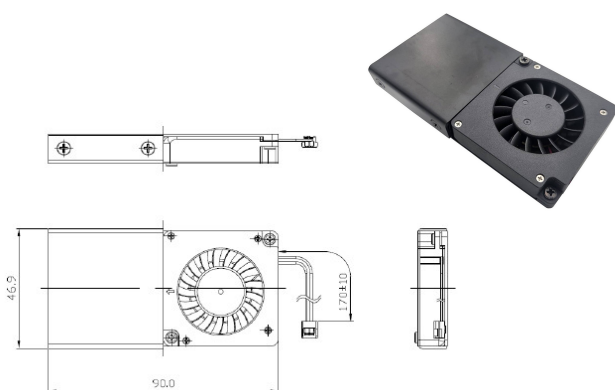
Other customized clips



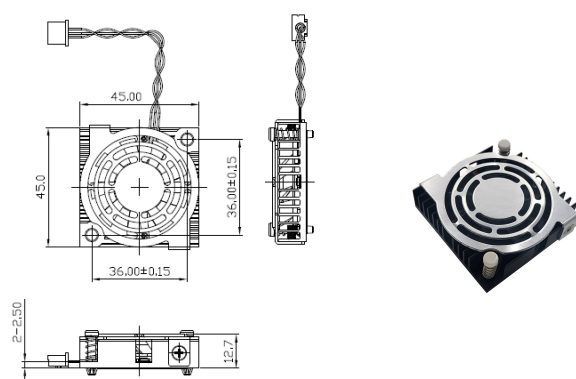
Chip Coolers

JSC00120

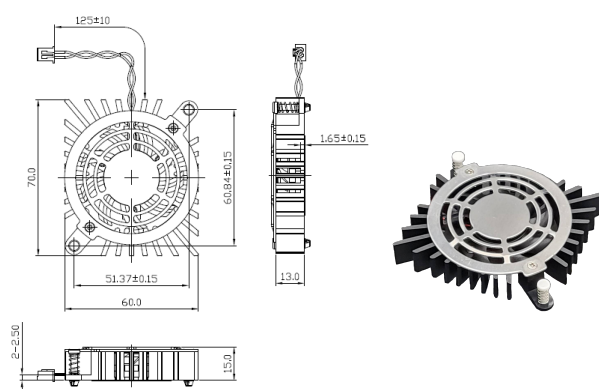
Dimensions (mm) : L90 / W46.9 / H11.6

**JSC00123-A**

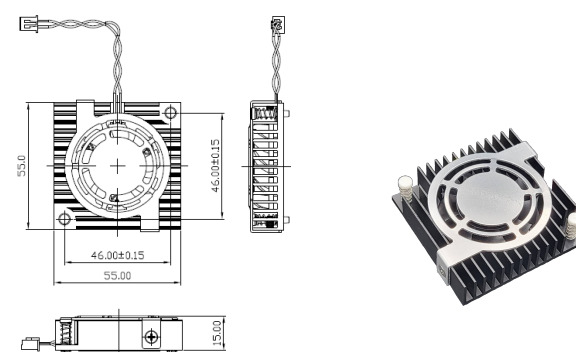
Dimensions (mm) : L45 / W45 / H12.7

**JSC00124**

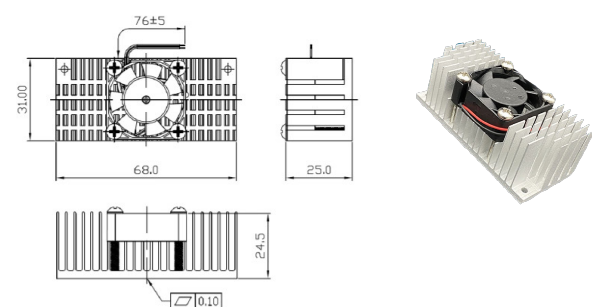
Dimensions (mm) : L70 / W60 / H13

**JSC00125**

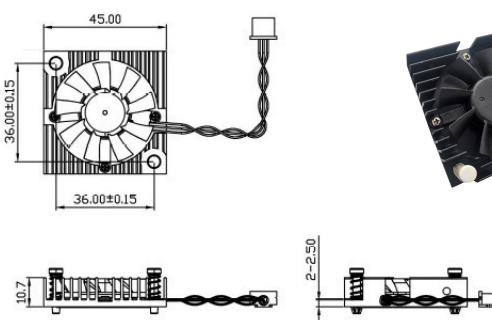
Dimensions (mm) : L55 / W55 / H15

**JSC00132**

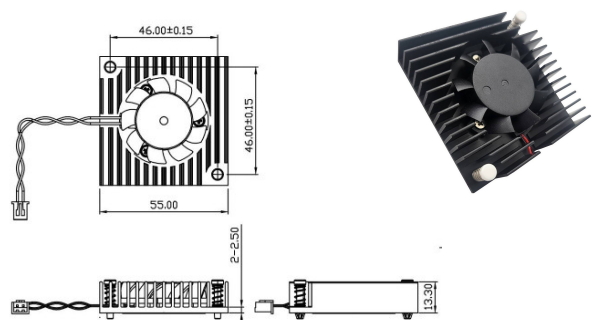
Dimensions (mm) : L68 / W31 / H24.5

**JSC00149**

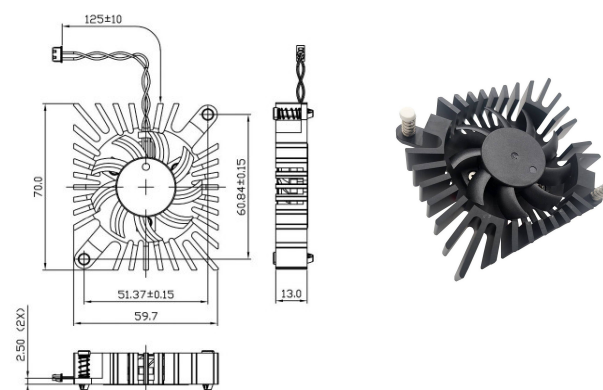
Dimensions (mm) : L45 / W45 / H10.7

**JSC00150**

Dimensions (mm) : L55 / W55 / H13.3

**JSC00151**

Dimensions (mm) : L70 / W59.7 / H13

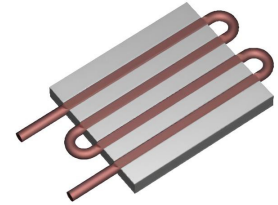


Embedded Tube Cooling Plates

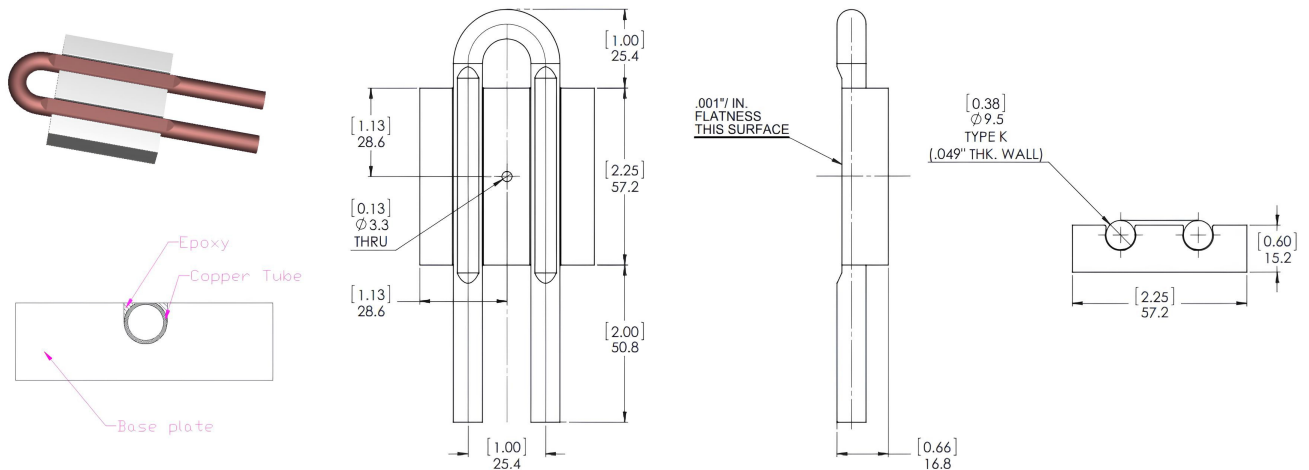
JARO's Embedded tube cooling plates are designed to minimize thermal resistance between the power device and the cooling plate. By allowing the coolant tube to make direct contact with the power device's base, these plates reduce the thermal interfaces between the device and the fluid. This streamlined design enhances thermal performance, making it ideal for high-efficiency applications.

Key Specifications :

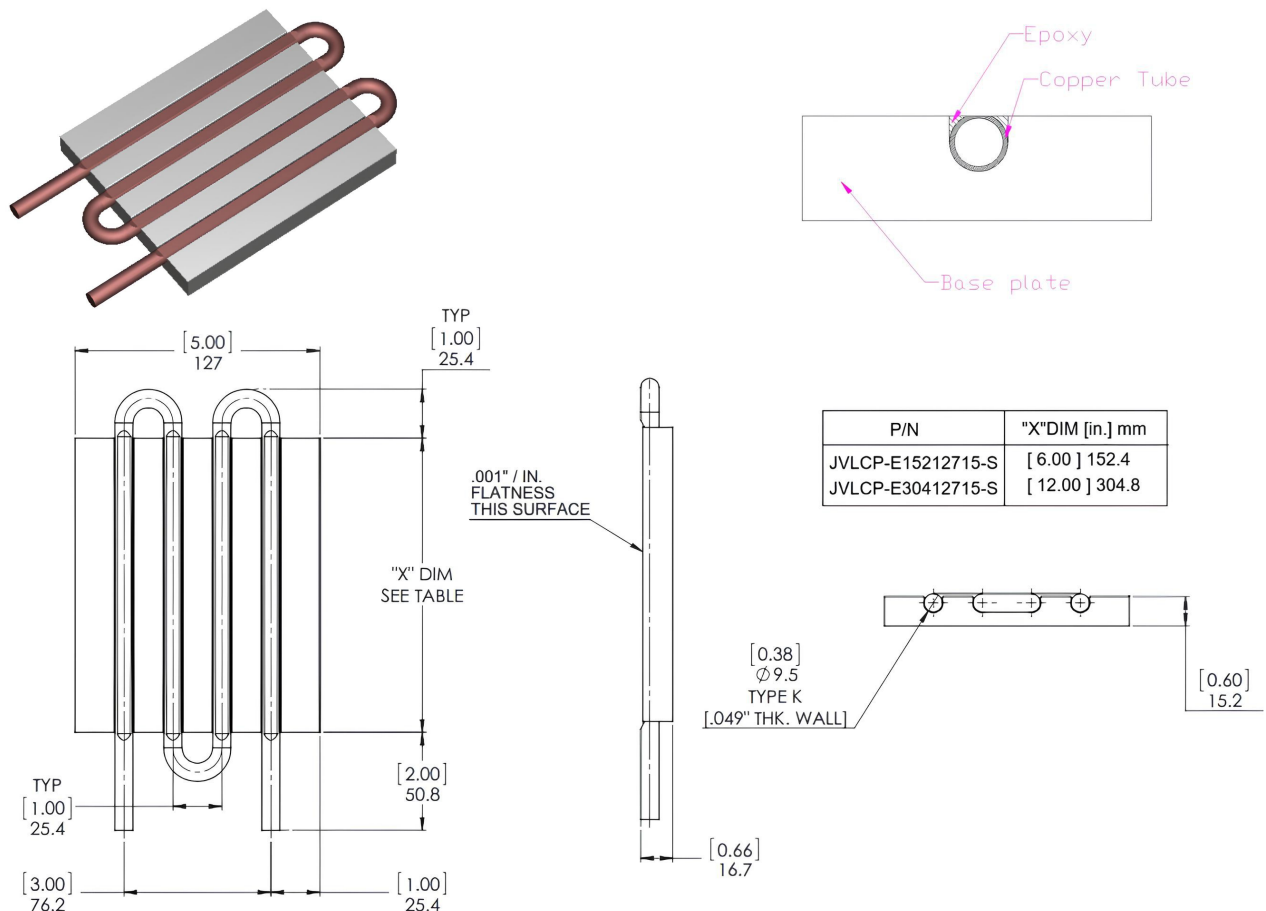
- Base Plate: Extruded Aluminum.
- Copper Tube Material: .0375" OD x .049" wall
- Thermal Epoxy fill with high thermal conductivity



JVLCP-E05705715-S

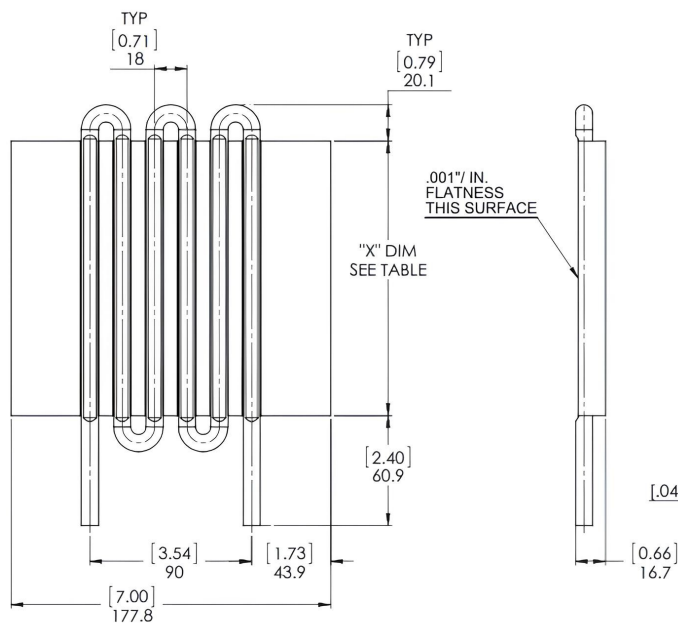
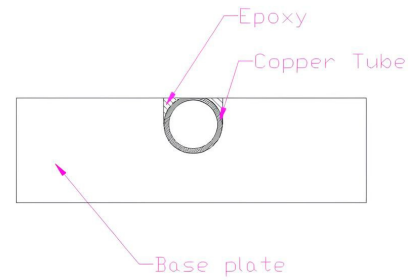
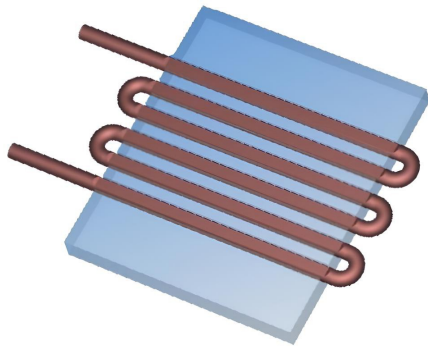


JVLCP-E15212715-S / JVLCP-E30412715-S

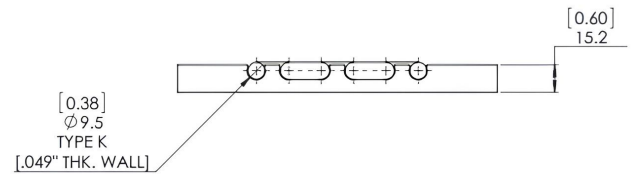


Embedded Tube Cooling Plates

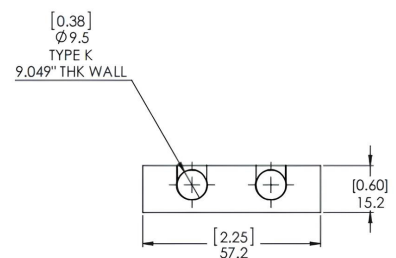
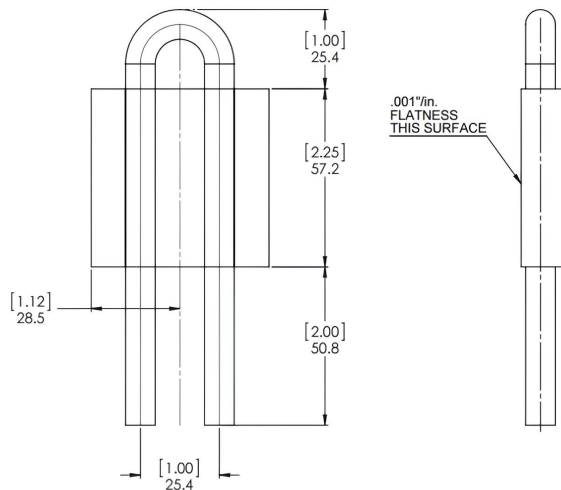
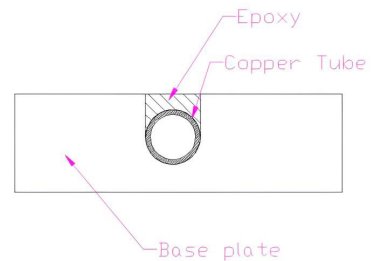
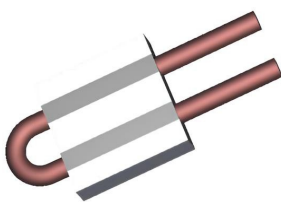
JVLCP-E15217715-S / JVLCP-E30417715-S / JVLCP-E60917715-S



P/N	"X" DIM [in.] mm
JVLCP-E15217715-S	[6.00] 152.4
JVLCP-E30417715-S	[12.00] 304.8
JVLCP-E60917715-S	[24.00] 609.6

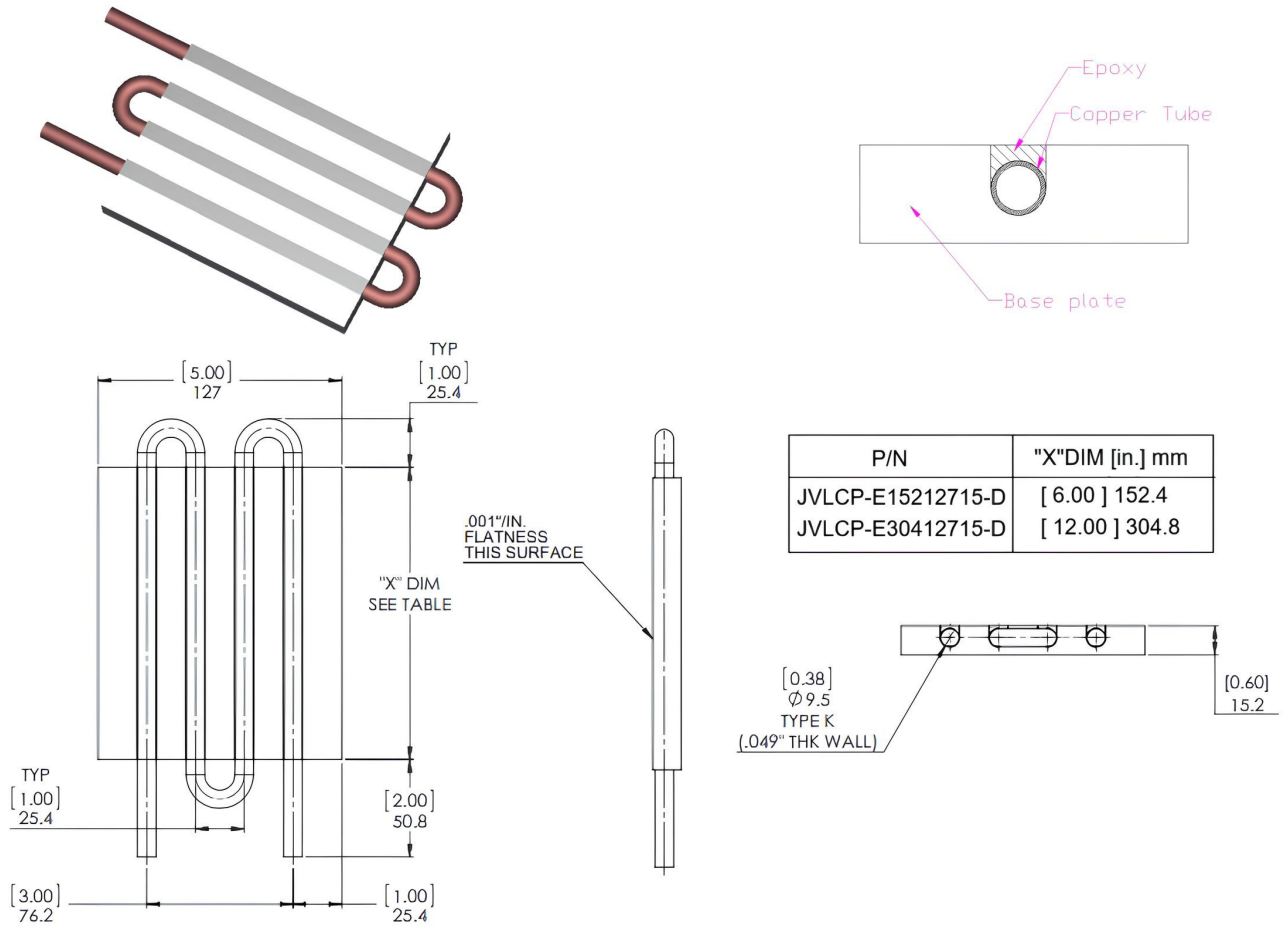


JVLCP-E05705715-D

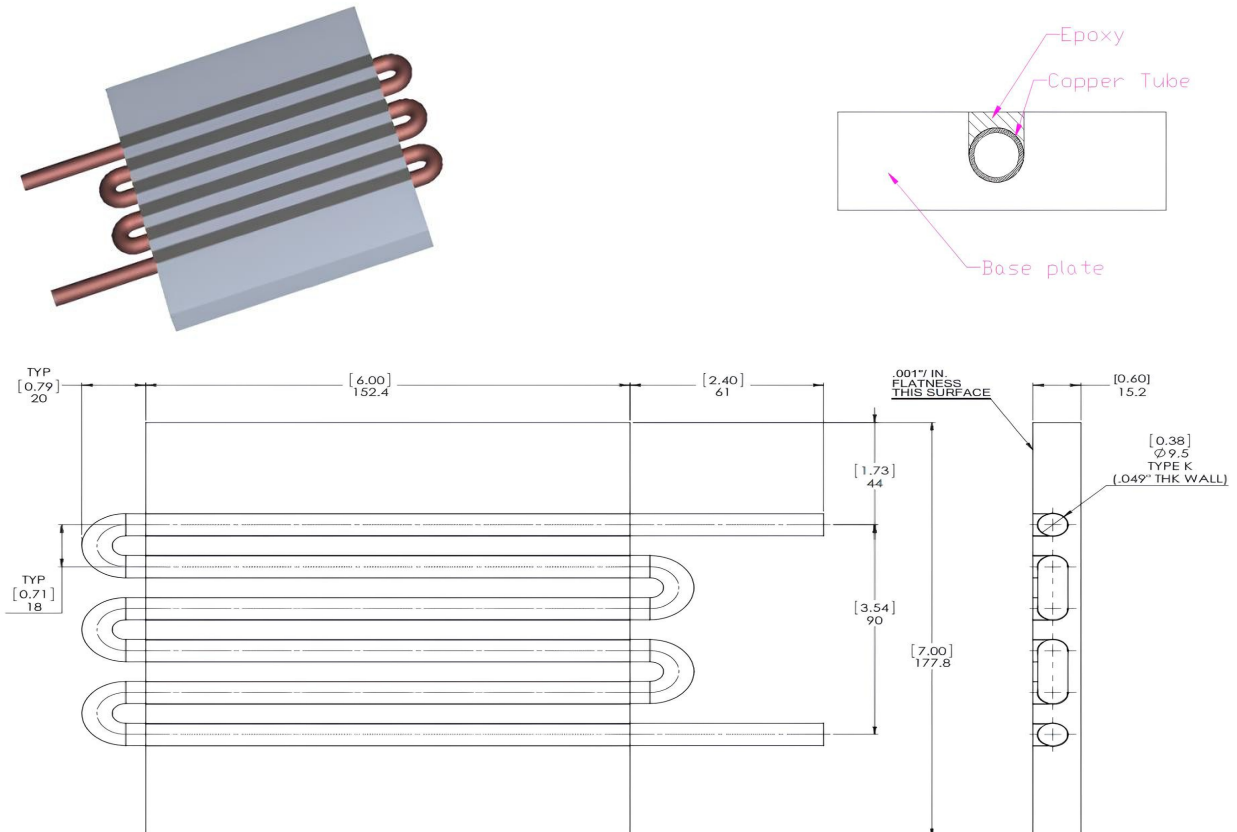


Embedded Tube Cooling Plates

JVLCP-E15212715-D / JVLCP-E30412715-D

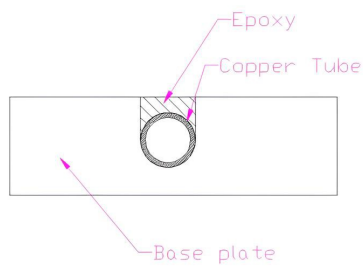
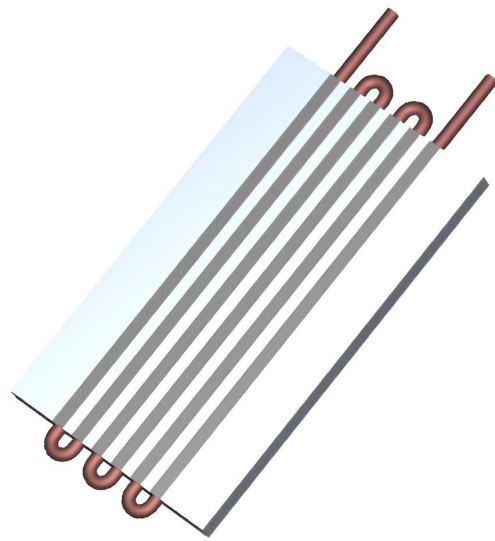


JVLCP-E15217715-D



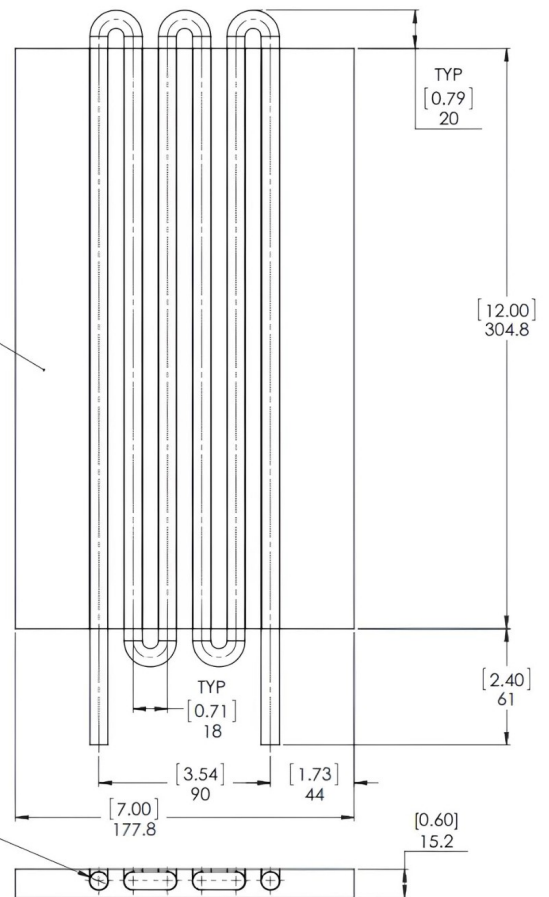
Embedded Tube Cooling Plates

JVLCP-E30417715-D

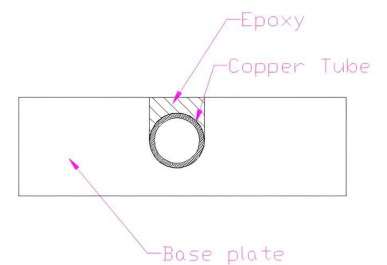
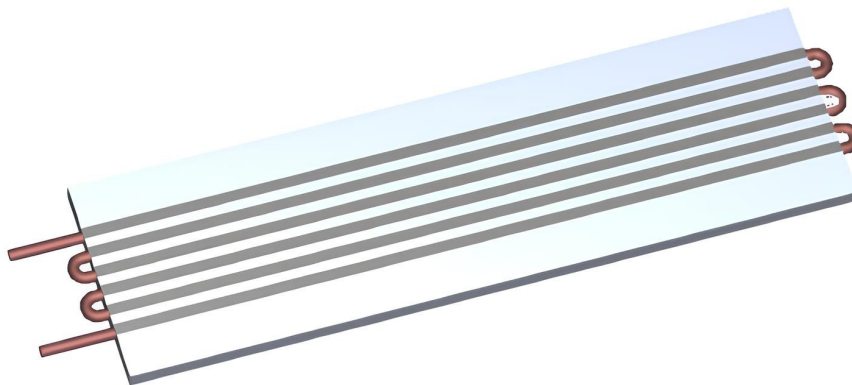


.001" IN.
FLATNESS
THIS SURFACE

[0.38]
Ø 9.5
TYPE K
(.049" THK WALL)

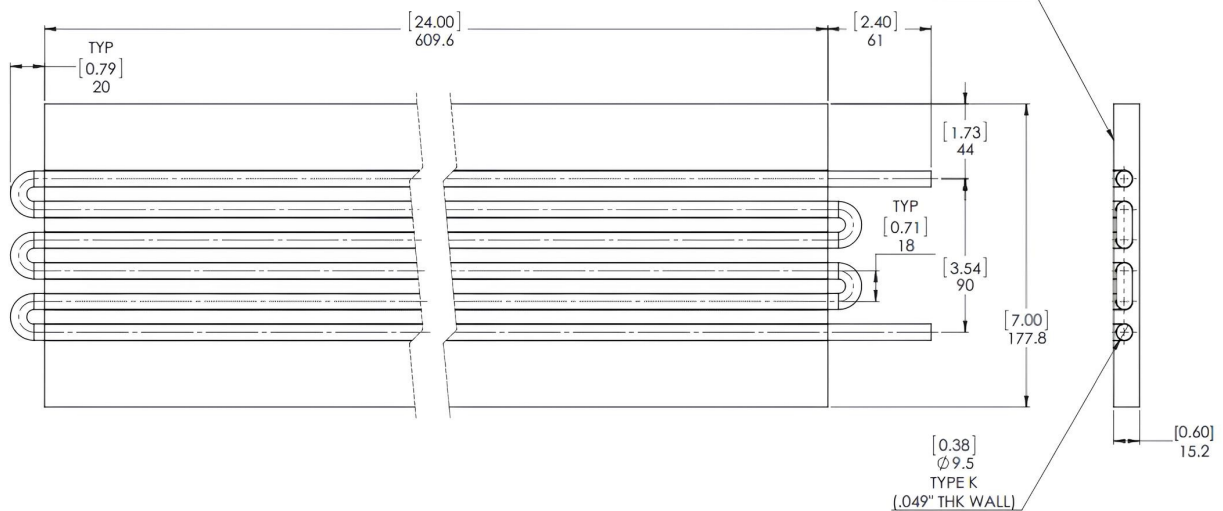


JVLCP-E60917715-D



.001" IN.
FLATNESS
THIS SURFACE

[0.38]
Ø 9.5
TYPE K
(.049" THK WALL)



FSW (Friction Stir Welding) Cooling Plates

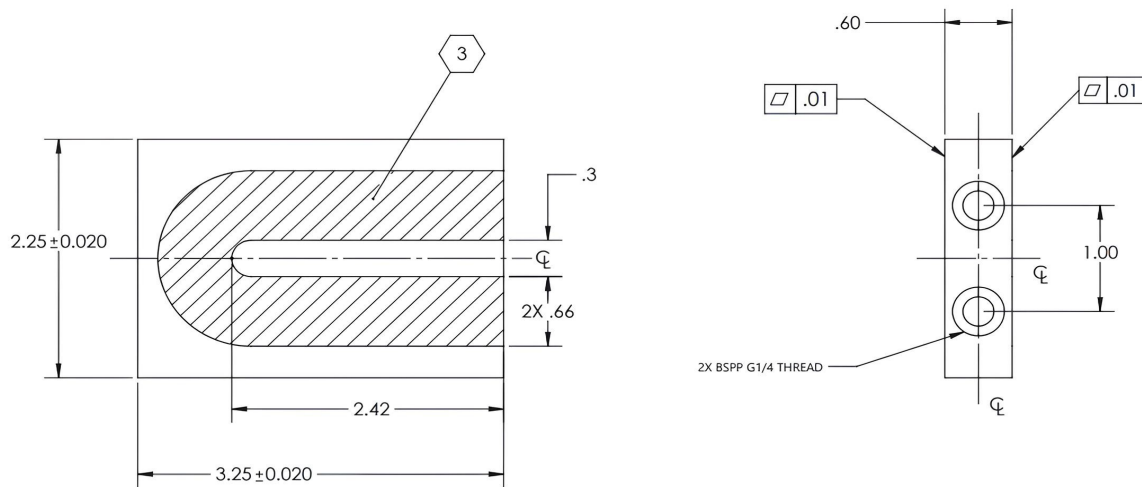
Jaro offers a wide range of standard and custom Friction Stir Welding (FSW) liquid cooling plates. Utilizing the solid-state Friction Stir Welding process, which joins two metal pieces without melting them, Jaro achieves seamless and reliable bonds. With in-house FSW expertise, Jaro's cooling plates deliver superior performance, surpassing traditional manufacturing methods.

Features :

- **Solid-State Welding:** Ensures reliable and seamless bonds.
- **High-Strength Joints:** Delivers exceptional durability and robustness.
- **Fatigue Resistance:** Provides long-lasting performance under stress.
- **Compatibility with Dissimilar Metals:** Enables versatile material combinations.
- **Narrow Heat-Affected Zone:** Minimizes thermal distortion and preserves material properties.
- **Dimensional Stability:** Maintains precision and consistency.



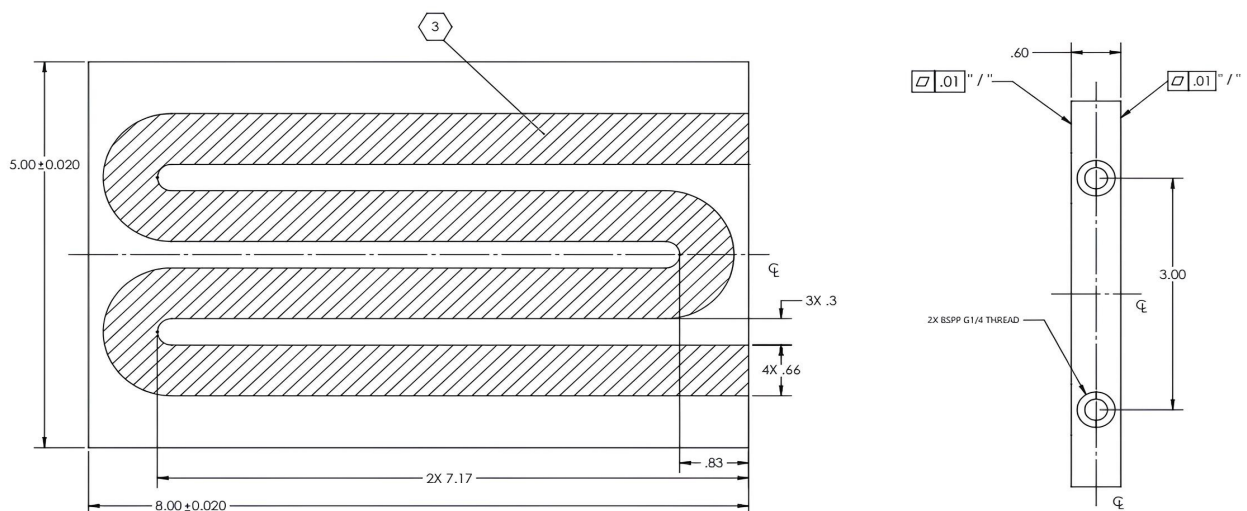
JVLCF-F05708215



NOTES

1. MATERIAL: AL6061-T6
2. FINISH: WASH.
- ③ KEEPOUT AREA IDENTIFIED WITH CROSS HATCHING FOR TOP AND BOTTOM. DO NOT MACHINE IN THIS AREA.

JVLCF-F12720315

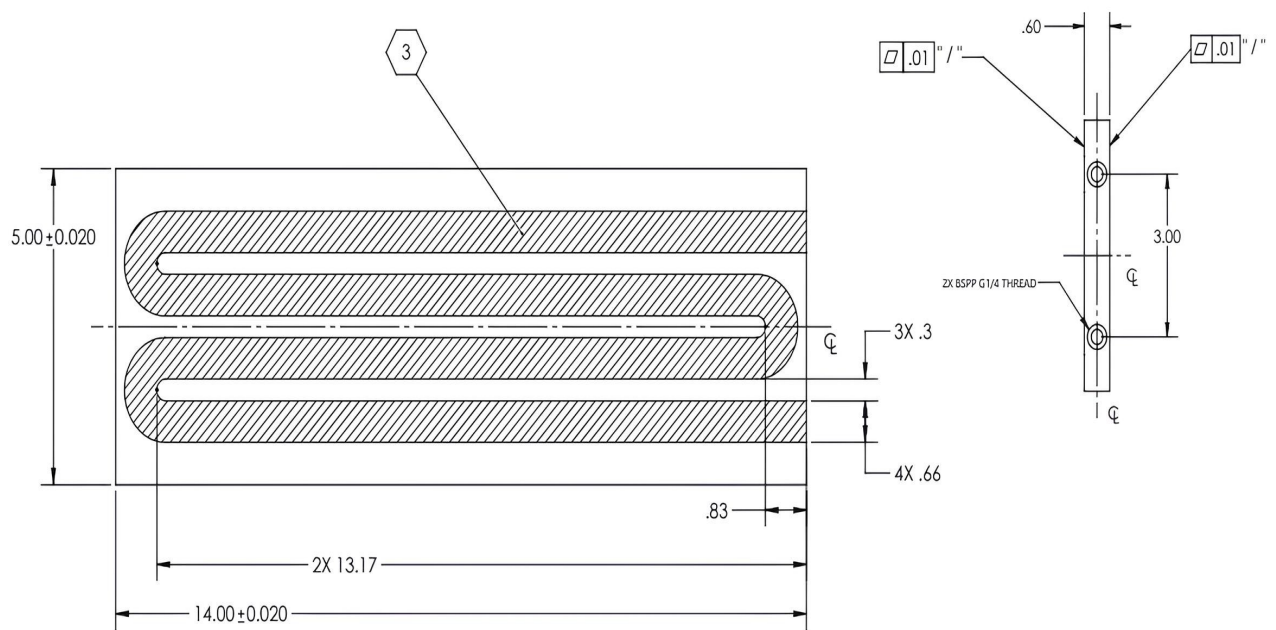


NOTES

1. MATERIAL: AL6061-T6
2. FINISH: WASH.
- ③ KEEPOUT AREA IDENTIFIED WITH CROSS HATCHING FOR TOP AND BOTTOM. DO NOT MACHINE IN THIS AREA.

FSW (Friction Stir Welding) Cooling Plates

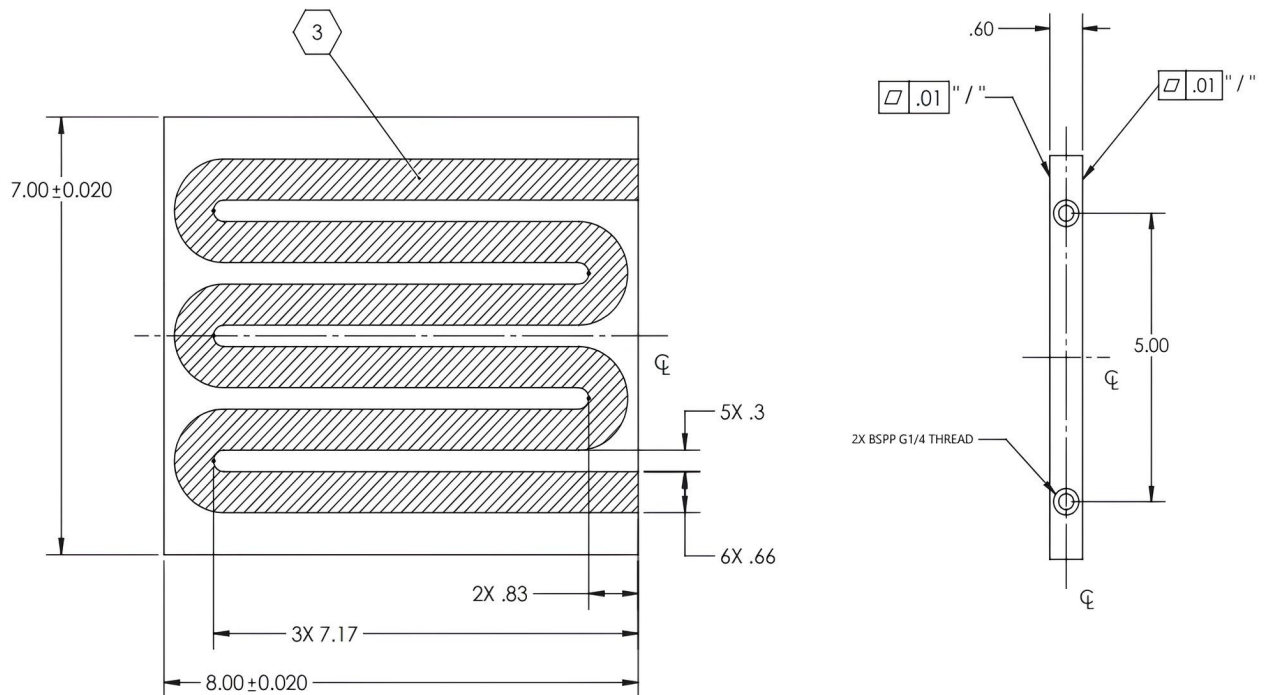
JVLCP-F12735515



NOTES

1. MATERIAL: AL6061-T6
2. FINISH: WASH.
3. KEEPOUT AREA IDENTIFIED WITH CROSS HATCHING FOR TOP AND BOTTOM. DO NOT MACHINE IN THIS AREA.

JVLCP-F17720315

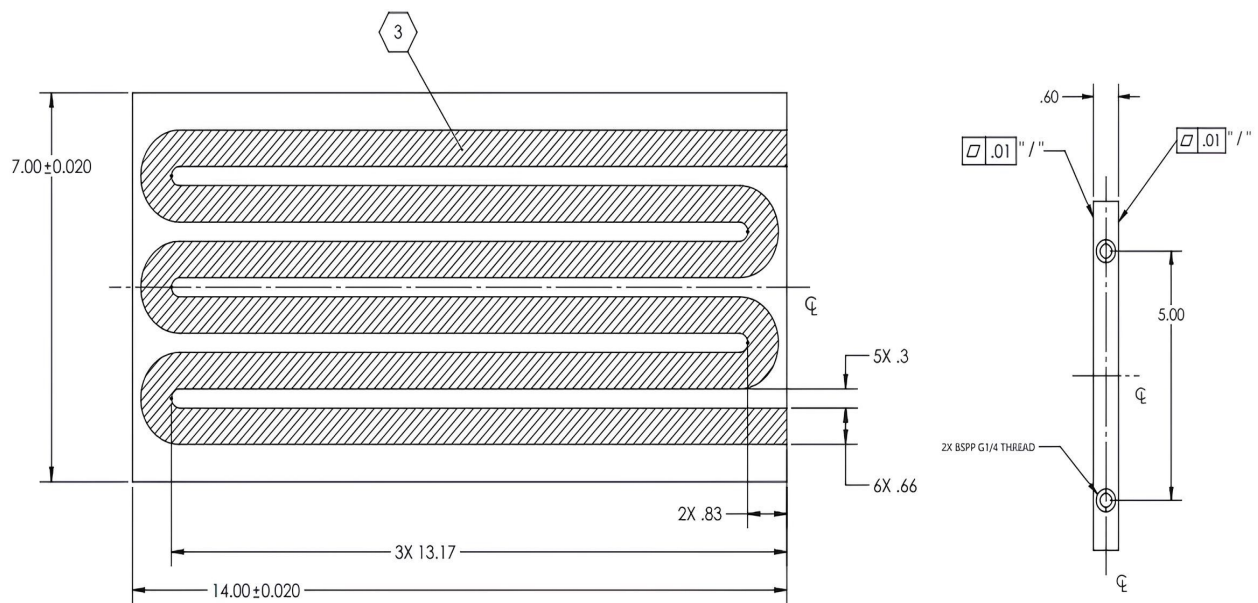


NOTES

1. MATERIAL: AL6061-T6
2. FINISH: WASH.
3. KEEPOUT AREA IDENTIFIED WITH CROSS HATCHING FOR TOP AND BOTTOM. DO NOT MACHINE IN THIS AREA.

FSW (Friction Stir Welding) Cooling Plates

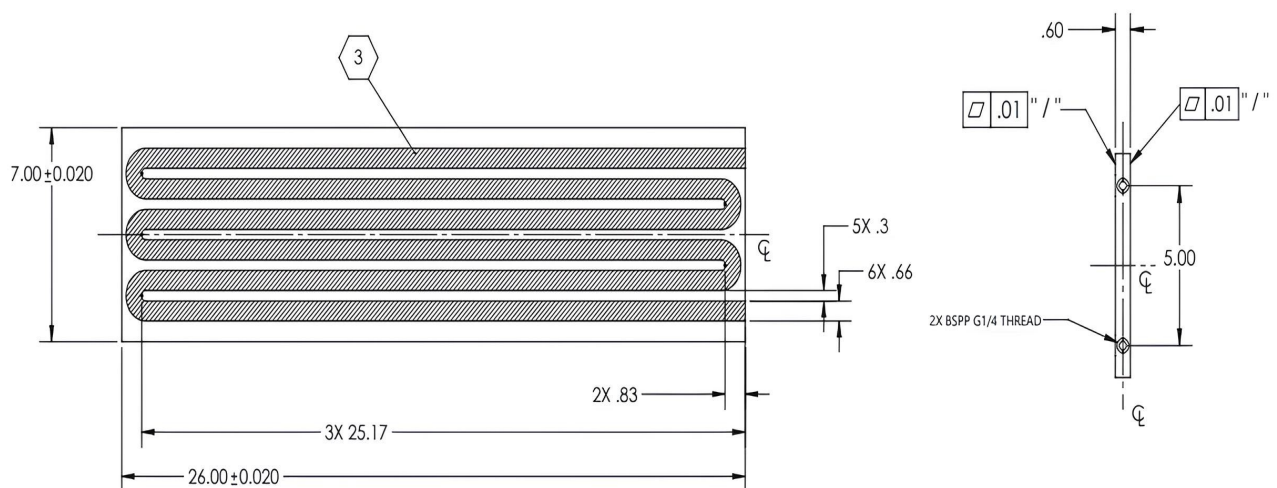
JVLCP-F17735515



NOTES

1. MATERIAL: AL6061-T6
2. FINISH: WASH.
3. KEEPOUT AREA IDENTIFIED WITH CROSS HATCHING FOR TOP AND BOTTOM. DO NOT MACHINE IN THIS AREA.

JVLCP-F17766015



NOTES

1. MATERIAL: AL6061-T6
2. FINISH: WASH.
3. KEEPOUT AREA IDENTIFIED WITH CROSS HATCHING FOR TOP AND BOTTOM. DO NOT MACHINE IN THIS AREA.