

# Cold Plate

Full capacity in cold plate design, simulation, production and test.



## ► Product Features

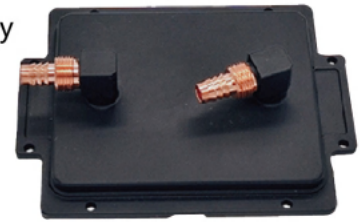
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- High reliability, no leakage
- Optimized internal channel and high-density skiving-fin design
- ANSYS / 6SigmaET thermal simulation capability
- Full set of cold plate manufacturing device, including water immersion ultrasonic test, box-type helium detection, as well as flow resistance and thermal resistance test, etc.
- Intel Whitley / Purley / Eagle Stream / Birch Stream CPUs certified
- Nvidia GPU / NVS certified
- Highly customizable cold plate design and production

# ▶ AMD Genoa Cold Plate

## 1. Product Features

- Skiving-fin flow channel design, and high heat dissipation efficiency
- AMD standard platform interface design, convenient installation and adaptation
- Copper material for efficient heat conduction
- One-piece brazing, high reliability



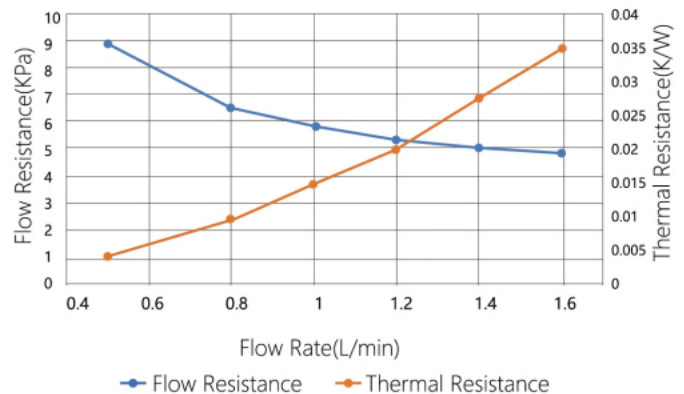
## 2. Material

- Cu1100

## 3. Technical Parameters

- Rated Flow: 1.0L/min
- Fluid Type: 25% Ethylene Glycol Aqueous Solution
- Thermal Resistance: 0.023K/W
- Joint Outer Diameter: 9 mm
- Joint Inner Diameter: 4.8 mm
- Pressure: 8 Bar

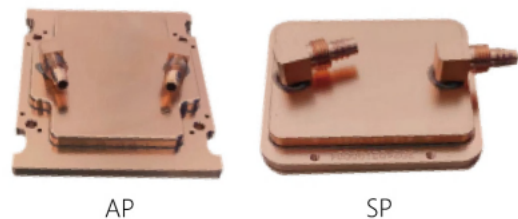
AMD Genoa Cold Plate FR&TR Curve



# ▶ BHS Cold Plate

## 1. Product Features

- Skiving-fin flow channel design for high heat dissipation efficiency
- Intel standard platform interface design, convenient installation and adaptation.
- Copper material for efficient heat conduction
- One-piece brazing, high reliability



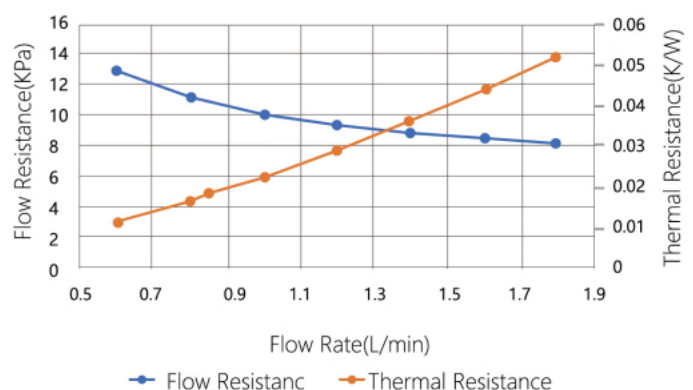
## 2. Material

- Cu1100

## 3. Technical Parameters

- Rated Flow: 1.2L/min
- Fluid Type: 25% Ethylene Glycol Aqueous Solution
- Thermal Resistance: 0.035K/W
- Joint Outer Diameter: 6 mm
- Joint Inner Diameter: 4.8 mm
- Pressure: 8 Bar

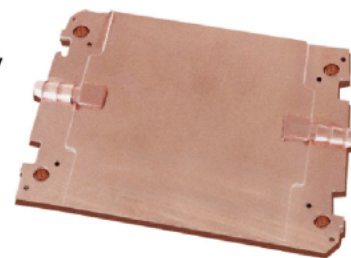
Birch stream SP Cold Plate FR&TR Curve



# ▶ EGS Cold Plate

## 1. Product Features

- Skiving-fin flow channel design for high heat dissipation efficiency
- Intel standard platform interface design, convenient installation and adaptation
- Copper material for efficient heat conduction
- One-piece brazing, high reliability



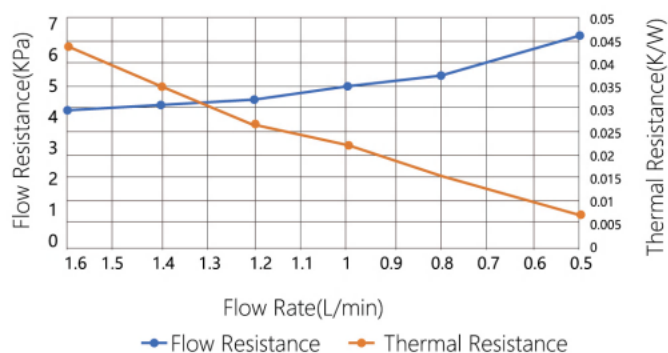
## 2. Material

- Cu1100

## 3. Technical Parameters

- Rated Flow: 1.0L/min
- Fluid Type: 25% Ethylene Glycol Aqueous Solution
- Thermal Resistance: 0.035K/W
- Joint Outer Diameter: 6 mm
- Joint Inner Diameter of: 4.8 mm
- Pressure: 8 Bar

EGS Cold Plate FR&TR Curve



# ▶ H800 Cold Plate

## 1. Product Features

- Jet type cold plate design, the heat dissipation up to 50W/cm<sup>2</sup>
- Original flow channel design enables whole plate thermal control
- Copper material for efficient heat conduction
- One-piece brazing, high reliability



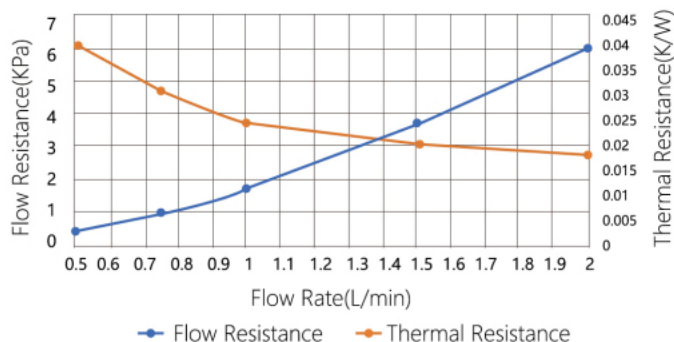
## 2. Material

- Cu1100

## 3. Technical Parameters

- Rated Flow: 1.2L/min
- Fluid Type: 25% Ethylene Glycol Aqueous Solution
- Thermal Resistance: 0.025K/W
- Joint Outer Diameter: 12 mm
- Joint Inner Diameter :9 mm
- Pressure: 8 Bar

H800 Cold Plate FR&TR Curve



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