

OB Vapor Chamber

Features

- Two-dimensional heat transfer
- Passive component
- High stability
- 10 times more efficient than a heat pipe

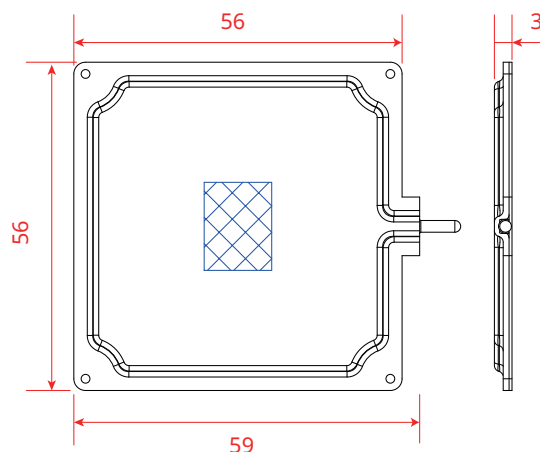
Applications

Best for high-performance applications

Electronic components - 5G, Aerospace, AI, AIoT, AR/VR/MR/XR, Automotive, Consumer Devices, Datacom, Electric Vehicle, Electronic Products, Energy Storage, Industrial, Lighting Equipment, Medical, Military, Netcom, Panel, Power Electronics, Robot, Servers, Smart Home, Telecom, etc.

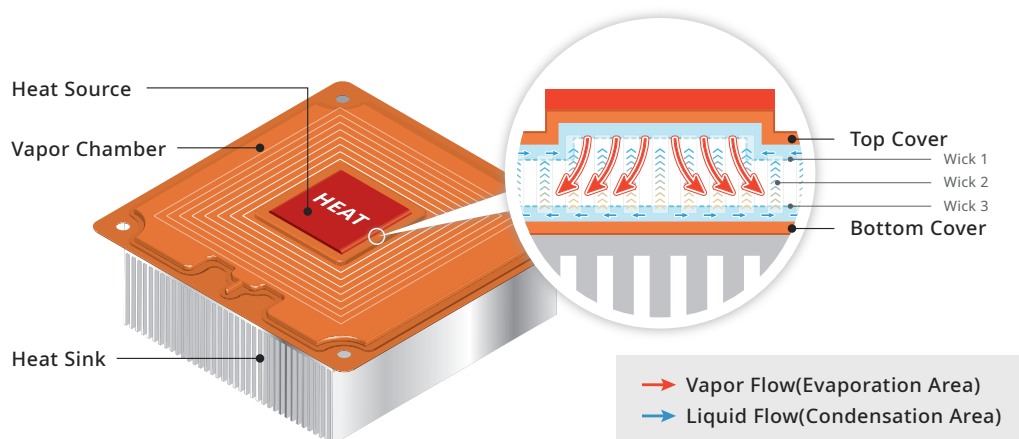
Specifications

Properties	Unit	OB
Material	-	CU 1020
Length	mm	59 ±0.5
Width	mm	56 ±0.5
Thickness	mm	3 ±0.2
Surface finishing	-	Electroless Nickel Plating
Weight	g	80.3
Heater Size	mm	11.52x15.02
Heat Side Surface Flatness	mm	0.1
Recommended Power	W	150



Mechanism

A vapor chamber provides two-dimensional thermal conduction, making it a more efficient solution for high-level thermal challenges. Inside the vapor chamber is a vacuum chamber with a capillary structure. When the working fluid absorbs heat, it rapidly vaporizes and flows to the cooling zone. After exchanging heat with the external environment, the vapor condenses into liquid and flows back to the heat source area, completing the entire circulation process.



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