

OB Vapor Chamber

Features

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

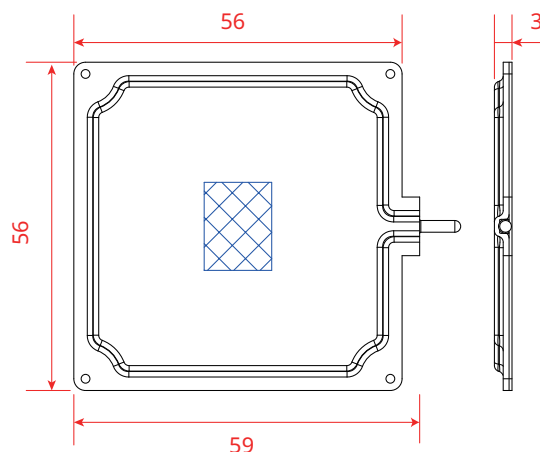
Applications

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.

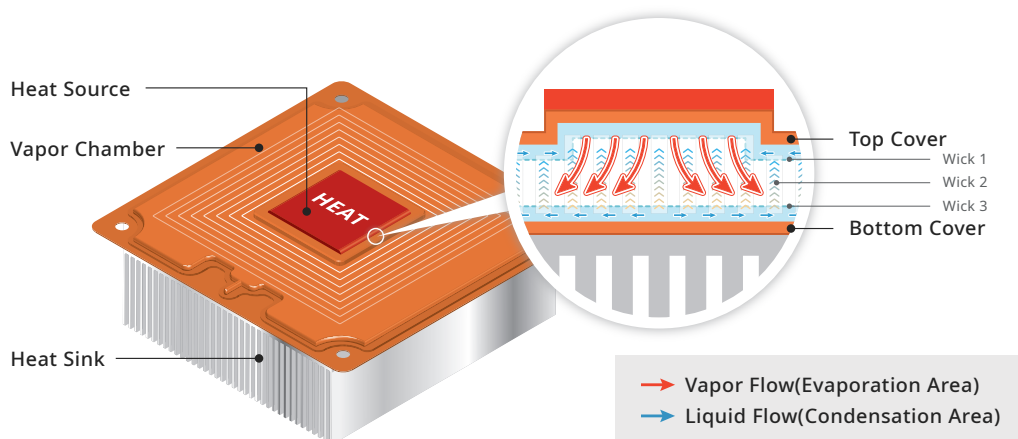
Specifications

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.



T-Global Technonology Co., Ltd.

No.33, Ln.50, Daren Rd., Taoyuan Dist., Taoyuan City 330058, Taiwan

T +886-3-361-8899 E service@tglobalcop.com W www.tgglobalcorp.com

Version20
20250311



NOTICE: The information contained herein is to the best of our knowledge true and accurate. Values stated in this technical data sheet represent typical values as not all tests are run on each lot of material produced. All specifications are subject to change without notice. The protective film and release paper do not affect the function of the product. If there is no special requirement, the default depends on T-Global. Since the varied conditions of potential use are beyond our control, all recommendations or suggestions are presented with out guarantee or responsibility on our part and users should make their own test to determine the suitability of our products in any specific situation. This product is sold without warranty either expressed or implied, of fitness for a particular purpose or otherwise, except that this product shall be of standard quality, and except to the extent otherwise stated in T-Global Technology's invoice, quotation, or order acknowledgment. We disclaim any and all liabilities incurred in connection with the use of information contained herein, or otherwise. All risks of such are assumed by the user. Furthermore, nothing contained herein shall be construed as a recommendation to use any process or to manufacture or to use any product in conflict with existing or future patents covering any product or material or its use.