

# Vapor Chamber

## Features

- Two-dimensional heat transfer
- Passive component
- High stability
- 10 times efficiency higher than heat pipe

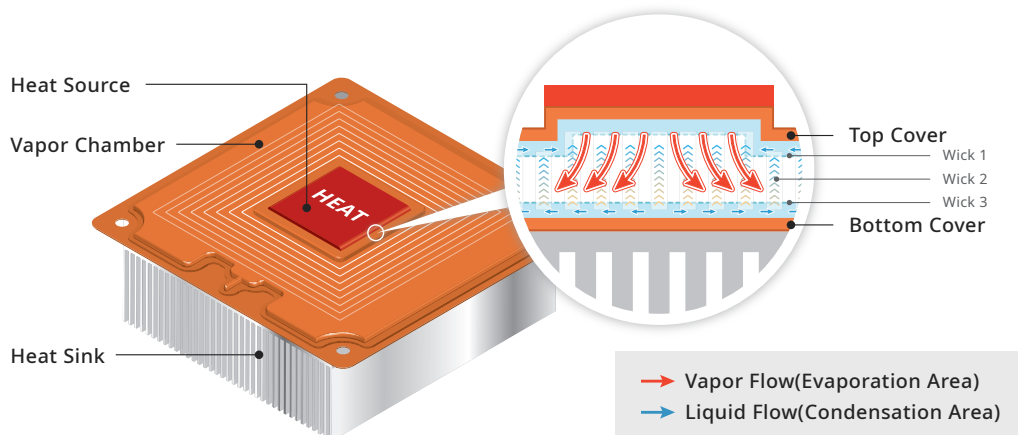
## Industries:

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.

## Mechanism

Vapor chamber is two-dimensional thermal conduction. Therefore, it is a more efficient heat dissipation way for solve higher level thermal problem. The inside of vapor chamber is a capillary structure vacuum chamber. After the working fluid absorbs the heat, it will vaporize rapidly and flow to cooling zone. When it exchanged heat with the external, it will condense back to fluid and flow back to heat zone. This is the circulation of vapor chamber.



## Project process



### Step 1 | RFQ

Submission of technical requirement through T-Global Website



### Step 2 | Specification

Configuration of heat allocation, source area and power



### Step 3 | Proposal

System analysis with solution



### Step 4 | Kick off

Milestones per production plan

## Design Guide

※ Heat Size 30X30 mm

Size (mm) \ Q-Max	Thickness (mm)		
	2.0	3.0	4.0
60X80	50	70	90
90X90	80	120	160
100X100	140	200	260
120X80	130	200	250
180X150	160	250	300
200X120	200	300	400
350X100	220	350	450

Different industries will require different specifications, please contact us directly for the most suitable specifications.

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