

PH3 Heat Spreader

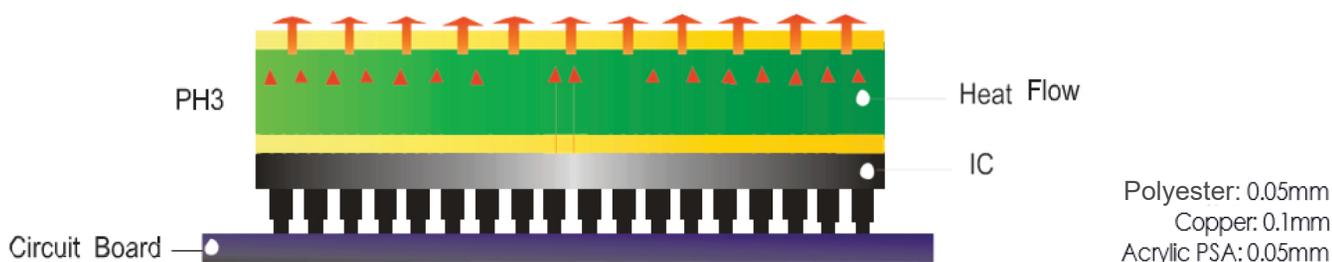


Features

- Gives a typical junction temperature reduction of 20 °C
- Gives design flexibility
- Die cut for custom shapes
- Easy to assemble

Applications

- Electronic components: IC – CPU – MOS
- LED - M/B – P/S – Heat Sink
- LCD – TV – Notebook PC – PC Telecom Device – Wireless Hub... etc.
- DDR II Module – DVD Applications – Hand-set applications... etc.



Properties

- REACH Compliant
- ROHS Compliant

Property	PH3	Unit
Colour	Black	-
Thickness	0.21	mm
Thermal Conductor	Copper	-
Thermal Conductor Thickness	0.1	mm
Insulator	Polyester	-
Insulator Thickness	0.05	mm
Pressure-sensitive Adhesive (PSA) system	Acrylic PSA	-
PSA Thickness	0.05	mm
Dielectric Breakdown Voltage	3.5	kV
Specific Gravity	7.5	g/cm ³

Part Number

Our standard part numbers are built as follows:

NAME OF THE PRODUCT – LENGTH – WIDTH – THICKNESS – ADHESIVE *All measurements in mm

E.g: **PH3 – 150 – 150 – 0.06 – 1A** PH3 Product with a length of 150 mm a width of 150 mm, thickness of 0.06 mm and 1 side adhesive

PH3 – 150 – 150 – 0.06 PH3 Product with a length of 150 mm a width of 150 mm, thickness of 0.06 mm and NO ADHESIVE

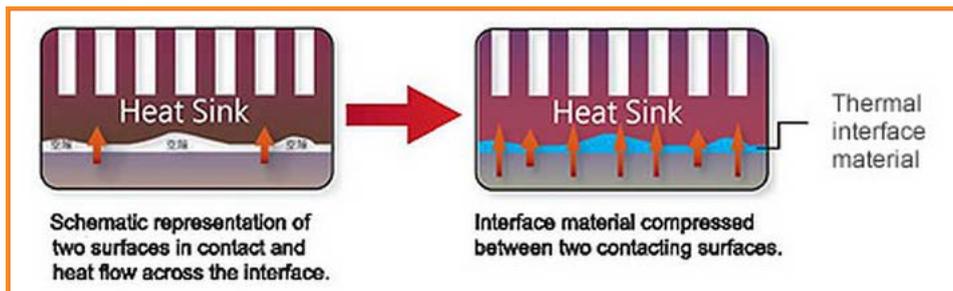
Common Weights

	Thickness	0.06	0.11	0.21
Size	100x100	17.08	17.14	17.25
	150x150	38.64	38.70	38.81
	300x300	155.08	155.14	155.25
	320x320	176.47	176.53	176.64

* All weights are in gr

** All sizes are in mm

Application Guide



Without thermal interface material, the heat flow go through joint face slowly, and the thermal conductive performance is bad (Thermal conductivity of air is 0.026 W/m K). Using **T-Global Thermal Interface Material** to link two joint faces, the heat flow go through equally, and the thermal conductive performance is good.

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