



## **Features**

- · Excellent thermal radiation
- · Thin&bendable
- · No dusting issue

# **PH3 Heat Spreader**

REACH Compliant RoHS Compliant

# **Application:**

Available for unventilated design

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.

#### **Properties**

Properties	Unit	PH3			Tolerance	Test Method
Metal Layer Thermal Conductivity	W/m∙K	400			-	ASTM D5470 Modified
Coating Layer Thermal Conductivity	W/m∙K	1.3			-	ASTM D5470 Modified
Total Thickness	mm	0.06	0.11	0.21	±10%	ASTM D374
Metal Layer Thickness	mm	0.012	0.05	0.1	±10%	ASTM D374
Coating Layer Thickness	mm	0.048	0.06	0.11	±10%	ASTM D374
Color	-	Black			-	-
Structure	-	Matal Layer: Cu Foil Coating Layer: High Thermal Radiation Nano-carbon Tube			-	-
Surface Resistance	Ohm-m	10 <sup>12</sup>			-	-
Operating Temperature	°C	-30~+120			-	-
Initial Tack	cm	18	15	11	-	PSTC-6
30° Peeling Strength (Aluminum)	N/in	8	10	12	-	ASTM D3330
Breakdown Voltage(AC)	KV	≥2	≥2	≥3.1	-	ASTM D149
Breakdown Voltage(DC)	KV	≥3.1	≥3.1	≥4.1	-	ASTM D149
Flame Rating	-	V-2			-	UL94

\*Available to apply adhesive

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