

Technical Data Sheet

Product Description

Graphite Copper Foil

Thermally Conductive Graphite Copper is a thermal interface material with super high conductivity generated from a carbon/copper film structure. Nano-copper/carbon foil thermally conductive tape uses copper foil as a carrier and is coated with a thermally conductive acrylic adhesive. It provides an excellent heat conduction path between the heating element and the heat sink.



Material Properties

- High thermal conductivity
- Excellent Shielding properties
- Lightweight/ thin
- Good shielding effectiveness
- Excellent heat-transfer path between the heat-generator and heat sink

Applications

- ✓ Automotive electronics
- ✓ Computers and servers
- ✓ Communication equipment
- ✓ Consumer electronics
- ✓ Aerospace and medical devices
- ✓ LED lighting equipment
- ✓ Displays



EVSU010-1/2

Item	Test	Test method
Copper foil thickness (mm)	0.05±0.005	ASTM D374
Coating thickness (mm)	0.003±0.001	ASTM D374
Total thickness (mm)	0.1mm	ASTM D374
Proportion (g/cm ³)	7.70±0.50	ASTM D792
Temperature range (°C)	-40-200	***
Thermal Conductivity @XY(W/mK)	400	ASTM D5470
Thermal Conductivity @Z(W/mK)	380	
Resistance (Ω.cm)	≤0.02	ASTM D257
Adhesion (kgf/inch)	>0.6	GB/T 2792-1998
Printability	Nano carbon coating	***
Width (mm)	380mm;500mm;600mm	Base of copper substrate
Length (M)	50M/ volume	***
RoHS	PASS	IEC 62321
Halogen	PASS	EN14582
REACH	PASS	EN14372
Standard Sheet Size Note: Other sheet sizes may be available upon request.		380mm x 50mm

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Note: The information provided herein is accurate at time of publication. It is the responsibility of the end-user to confirm compliance to their application. All test data is typical. Therefore, these recommendations and data are for reference only and not as a product warranty.