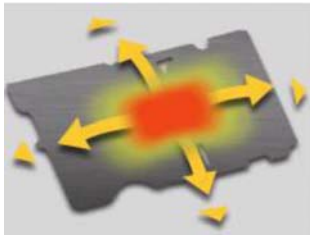




專業導熱材料生產廠
Professional TIM Manufacturer
http://www.ziitek.com

TIR™ 300CU Series Copper Composite Carbon Nano Coating

TIR™300CU Series products are a new material with highly effective heat conductivity and absorption, stabilized device function and reduce the chance of malfunction by spreading the high temperature heat radiated from specific parts or devices.



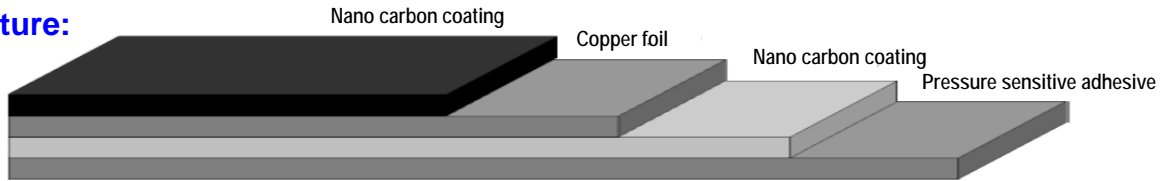
Feature

- › Good thermal conductive: **320 W/mK**
- › Easy to assemble
- › Ultra-thin type
- › RoHS Compliant

Application

- › PDP, LCD TV, Set top box
- › Laptop, Notebook, Projector
- › Mobile phone, Hand-held devices
- › Automotive electronics

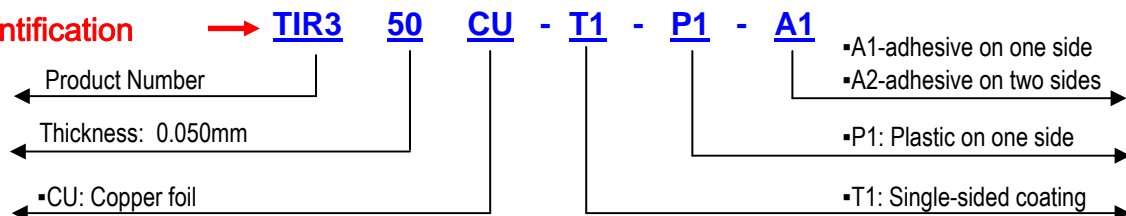
Product structure:



Typical Properties of TIR™300CU series

Product Name	TIR™360CU-T2	TIR™380-CU-T2	Test Method
Colour	Black		Visual
Material	Copper Composite Carbon Nano Coating		*****
Total Thickness	0.060 mm	0.080 mm	ASTM D751
Copper foil thickness	0.030 mm	0.050 mm	ASTM D751
Single-sided coating Thickness	0.015 mm	0.015 mm	ASTM D751
Thickness Tolerance	+/- 10%	+/- 10%	ASTM D751
Density	2.7 g/cc	2.7 g/cc	ASTM D297
Hardness	85 Shore A		ASTM D2240
Operation Temperature	-40°C ~250°C		*****
Volume Resistivity	6.3X10 ⁹ Ohm-meter		ASTM D257
Tensile Strength	30 psi	40 psi	ASTM D412
Typical Thermal Conductivity (In Z axis)	140 W/m-K	140 W/m-K	ASTM D5470
Typical Thermal Conductivity (In X-Y axis)	320 W/m-K	320 W/m-K	ASTM D5470
Thermal Resistance @100psi	0.075 (in ² °C/W)	0.100 (in ² °C/W)	ASTM D5470

Product Identification



Standard Sheets Sizes : 500mm x 50mm

TIR™ 300CU series Individual die cut shapes can be supplied.

Consult the factory alternate thickness.

Gap Fillers | Phase Change Materials | Thermally Conductive Insulators | Thermally Conductive Greases | Thermally Conductive Adhesive Tapes

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