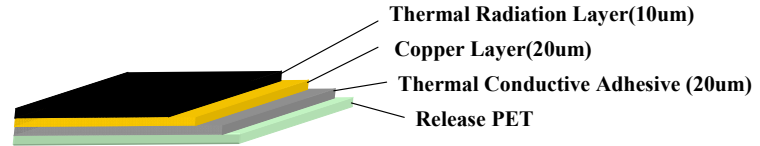




Layer Information



Feature

- Excellent thermal conductivity (about 400W/m.K)
- Low thermal resistance
- ROHS compliant
- Thickness 50um

Applications

- Handheld device like smart phone, tablet PC and potable devices
- Large display (LCD, PDP, OLED Display)
- Lighting systems (LED light)
- Power device and systems

Product Description

TCS050T is a pure copper sheet which has a high thermal conductivity even though it is extremely thin which is with thermal radiation layer and thermal conductive adhesive. It is available to provide solutions to the thermal management and heat-sinking in limited space or further heat-sinking. **TCS050T** is thin, light and perfect workability making custom shape as customer wants.

Materials

- Cu/Adhesive □ Pure Graphite □ Artificial Graphite

Characteristics

ITEM	Standard	Reference
Top Layer Color	Dark Gray	-
Thickness	0.05±10%	(mm)
Adhesive Strength	Min 1500	(gf/25mm),ASTM D3330
Thermal Conductivity	400±50	(W/m.K), X-Y axis
	40±1	(W/m.K), Z-axis
Tensile Strength	Over 30	ASTM D882
Elongation	0.8	(%), ASTMD882
Thermal Shock	O.K	100℃ 72Hrs
Heat Resistance	O.K	100℃ 72Hrs
Layer Information	10um	Thermal Radiation Layer
	20um	Copper Layer
	20um	Thermal Conductive Layer
	75um	Release PET Liner