

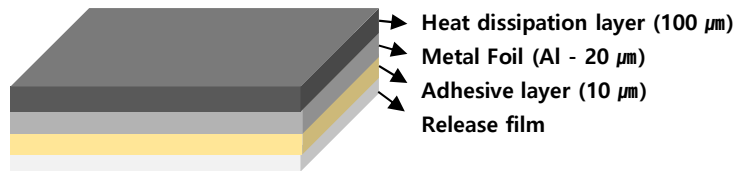
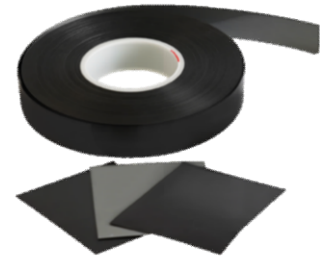
3CTY Thermal Solution

TYCM SERIES

TYCM series Relative to the general spread sheet, the thermal conductivity in the vertical direction is excellent, and hence, the temperature reduction effect is superb even when a small area is used.

Features

- Excellent thermal conductive sheet (Z-axis 5 W/m·K)
- Lightweight: Specific gravity (1.03 g/cm³)
- Heat dissipation sheet suitable for electronic devices
- Easy to be cut or trimmed
- Can be cut into customizable shapes
- Siloxane free, Eco-Friendly sheet



< Carbon/Metal Composite Sheet >

Recommended applications

- It is applicable to electronic equipment heat source such as AP chips, Note book PC's MPU, CPU, display, etc.
- Electrical Vehicle's heat source, for example inverter, LED backlight, ECU, battery, etc.
- TIM (Thermal interface material) : to link two joint faces, the heat flow go through equally



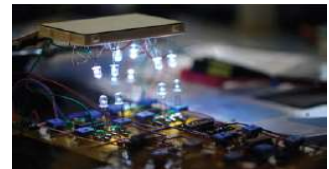
AP Chip



electronic device IC chip



Notebook MPU



LED Light

Standard products

Type	Adhesive type	Non-Adhesive type	Laminated Type	
			Adhesive type	Non-Adhesive type
Front face	-	-	PET	PET
Structure				
Thickness [μm]*	120	120	~ 180	~ 160
Thermal conductivity [W/m·K]*	5	5	5	5
Density [g/cm ³]	1.03	1.03	1.03	1.03
Electrical conductivity [S/cm]	10000	10000	10000	10000
Working temperature [°C]	~100	~100	~100	~100

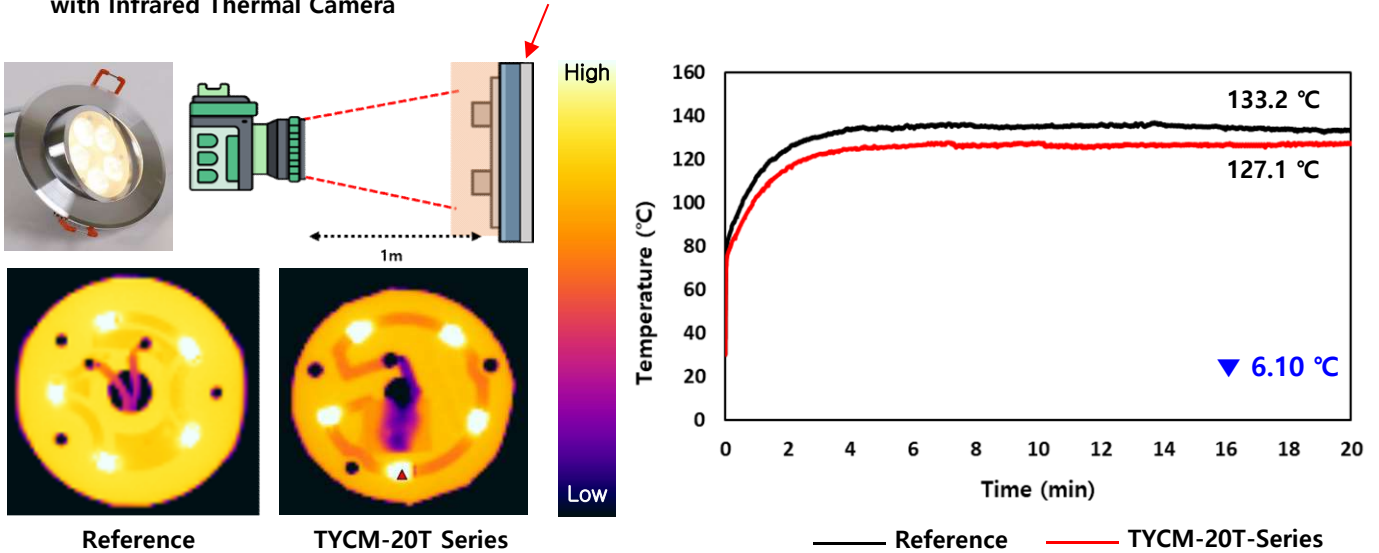
* Adhesive layer is not included, Only sheet (Al layer, heat dissipation layer)

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Performance Data

Heat dissipation effect result

- After attaching the product to the LED light with the heat sink removed, surface temperature measure with Infrared Thermal Camera



EMI Shielding Test

- EMI Shielding effectiveness was measured using Network analyzer, in compliance with ASTM D4935. The frequency range evaluated was from 30 MHz to 1.5 GHz.

