

Thermalnite®

Low Thermal Resistance TIM Sheet

A4 Size
0.1mm, 0.2mm

A5 Size
0.5mm, 1.0mm



- Industry-leading ultra-low thermal resistance
- Industry-class minimum thickness: 0.1 mm
- Electrically insulating material

Items	Unit	Value
Thickness	mm	0.1, 0.2, 0.5, 1.0
Thermal Conductivity	W/m·K	4.3
Hardness (Shore OO)	°	89
Dielectric Strength	kV/mm	24.0*
Dielectric Constant (1 MHz)	—	5.4
Dielectric Loss (1 MHz)	—	1.1×10^{-2}

*Measured at 0.1 mm thickness

Features

Ultra-thin:
0.1 mm
Low thermal resistance

Soft
Excellent conformability

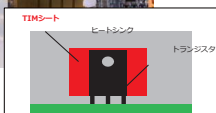
Durable
High tear resistance & resilience

Benefits

1. Dramatic improvement in cooling efficiency
2. Excellent fit even under low contact pressure
3. Applicable to cylindrical surfaces
4. Reliable even under high contact pressure
5. Outstanding durability and ease of use
6. Complex shaping & hole processing available

Applications

Transistors & Heat Sinks (Controllers, Power Supplies) Optical Transceiver SSD



Medical Devices LD (Laser Diode) LED

