

DTIM Thermal Interface Material Specifications and Ordering Options

G0, G1, & G2

Characteristic	DTIM G0 Type	DTIM G1 Type	DTIM G2 Type
Type	Sheet	Gel	
Volume Resistivity ($\Omega\text{-cm}$)	1.0 x 10 ¹¹		
Voltage Breakdown (kV)	5.1	> 6	5.1
Thermal Conductivity (W/mk)	Min. 4.0	Min. 2.0	Min. 1.5
Temperature Range	-30°C ~ 200°C (-22°F ~ 392°F)		
Flammability Rating	UL94 V-0		

G3

Characteristic	DTIM G3 Type
Type	In-Plane Sheet
Vertical Thermal Conductivity (W/mk)	Max 0.5
Horizontal Thermal Conductivity (W/mk)	Max 8.0
Resistivity ($\Omega\text{-cm}$)	Non-Conductive
Service Temperature	-10°C ~ 120°C (14°F ~ 248°F)
Flammability Rating	UL94 V-0

G3 Layers

PET Film (0.08mm)
In-Plane Sheet (0.05mm)
Adhesive Tape (0.02mm)

**0.15mm
Thickness**

PET Film (0.08mm)
In-Plane Sheet (0.08mm)
Adhesive Tape (0.03mm)

**0.19mm
Thickness**

PET Film (0.08mm)
In-Plane Sheet (0.08mm)
Adhesive Tape (0.10mm)

**0.26mm
Thickness**