

I-GT10

Electrically Insulating and Thermally Conductive Graphene Based Thermal Interface Material and Heatspreader

Features:

- Electrical insulation
- Low mounting pressure

Applications:

IGBT, GPU, CPU, LED, RF, Opto and power module cooling

Order status: Small amount available now (□ 100 pieces)

Description:

I-GT10 is designed for a wide variety of applications requiring high thermal performance and electrical isolation. Typical applications include power supplies, automotive electronics, motor controls, lighting electronics, and power semiconductors.

I-GT10 material shows good adhesion force with variety substrates. These features benefit minimizing the thermal contact resistance at interfaces.

Properties	Value	Units	Test Method
Size	□ 4*4	cm ²	
Thickness	0.25-0.5 (± 15%)	mm	
Roughness	<5	%	
Color	Grey		
Filler Material	Graphene		
Density	0.5-0.8	g/cm ³	
Compressibility	20-30	%	ASTM
Recovery	15-20	%	ASTM
Compressive Strength	500	KPa	ASTM
Temperature Range	-40 to 200	°C	
Through-plane Thermal Conductivity	5-13	W/mK	ASTM
Thermal Resistance	30-80	Kmm ² /W	ASTM
Withstanding voltage	>800	V	
Volume resistance	>10 ¹⁰	Ω·cm	

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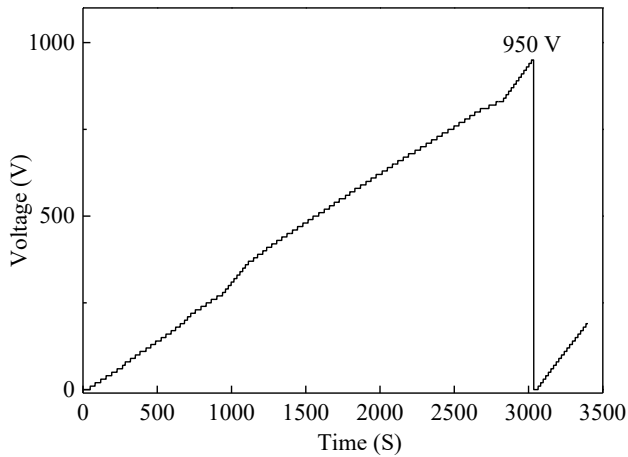
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Breakdown voltage of the I-GT10



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