

TG-V833/TG-V838

Thermal Phase Change Materials



Features

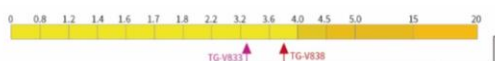
- With the good flow ability over phase change temperature, surface irregularities can be well filled
- Low thermal impedance
- High reliability

Applications

- Electronic components: IC, CPU, MOS, LED, Mother Board, Power Supply, Heat Sink, LCD-TV, Notebook, PC, Telecom Device, Wireless Hub, DDR II Module, DVD Applications, Hand-set Applications etc.

Properties

◆ RoHS Compliant



TG-V833
TG-V838

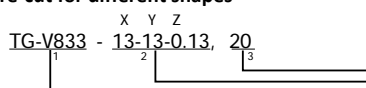
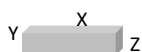
Thermal Conductivity : 3.3 W/m.K
Thermal Conductivity : 3.8 W/m.K

Testing sample thickness: 0.13mm

Properties	TG-V833	TG-V838	Unit	Tolerance	Test Method
Thermal Conductivity	3.3	3.8	W / mK	±10%	ASTM D5470
Thickness	0.13/0.2/0.3	0.13/0.2/0.3	mm	-	ASTM D374
	0.005/0.008/0.0118	0.005/0.008/0.0118	inch	-	ASTM D374
Color	Gray	Gray	-	-	Visual
Phase Transition Temperature	50	50	°C	-	-
Breakdown voltage(Vac)	1	1	KV	-	ASTM D149
Density	3.4	2.5	g / cm ³	±0.3	ASTM D792
Working Temperature	-40~+125	-40~+125	°C	-	-
Volume Resistance	3.0x10 ¹¹	3.0x10 ¹⁰	Ohm-m	-	ASTM D257
Thermal Impedance@50psi	0.013	0.013	°C-cm ² /W	-	Modified ASTM D5470
Dielectric Constant	13.3	13.3	@1KHz	-	ASTM D412

Need samples?

Pre-cut for different shapes



1. Choose the P/N
2. Fill into size: X, Y, Z
3. Fill the quantity you need

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Thermal Interface Materials: Thermal Pad, Thermal Tape, Thermal Grease, Ceramic Heat Spreader



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