

# TG-V833/TG-V838

## Thermal Phase Change Materials

REACH

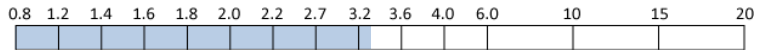
RoHS



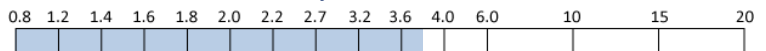
### Features

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

### TG-V833 Thermal Conductivity: 3.3 W / mK



### TG-V838 Thermal Conductivity: 3.8 W / mK



### 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

Properties	TG-V833	TG-V838	Unit	Tolerance	Test Method
Thermal Conductivity	3.3	3.8	W / mK	±1.3	ASTM D5470
Thickness	0.13/0.20/0.30		mm	-	ASTM D374
	0.005/0.008/0.0118		inch	-	ASTM D374
Color	Gray		-	-	Visual
Phase Transition Temperature	50		°C	-	-
Breakdown voltage (Vac)	1		KV	-	ASTM D149
Density	3.4	2.5	g / cm <sup>3</sup>	±0.3	ASTM D792
Working Temperature	-40 ~ +125		°C	-	-
Volume Resistance	3.0 x 10 <sup>11</sup>	3.0 x 10 <sup>10</sup>	Ohm-m	-	ASTM D257
Thermal Impedance@50psi	0.013		°C-cm <sup>2</sup> /W	-	Modified ASTM D5470
Dielectric Constant	13.3		@1KHz	-	ASTM D412

Need samples? Pre-cut for different shapes

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