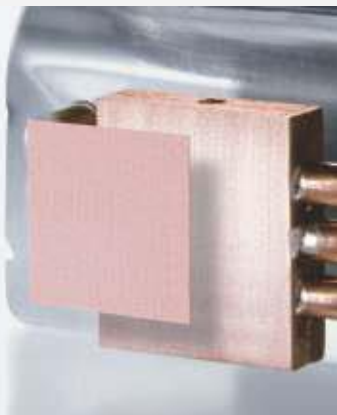


Standard Films: Keratherm Red



This film is especially suitable for high-power applications. It has excellent thermal electrical properties. Thanks to its good performance, the Keratherm red can be used reliably in densely packed electronic applications.

APPLICATIONS

- "High End" Thermal Solutions
- Controlling Boards
- BGA Applications
- Hard-Disk Drives

DISCLAIMER: Purchaser shall be solely responsible for determining the adequacy of the product for any and all uses which the purchaser shall apply the product, and the application of the product by the purchaser shall not be subject to any implied warranty of fitness for that purpose.

Properties	symbol	unit	86/82 w/fiberglass
Color			red
Thermal Properties			
Thermal Resistance	R_{th}	K/W	0.09
Thermal Impedance	R_{ti}	$^{\circ}\text{Cmm}^2/\text{W}$ Kin^2/W	35 0.05
Thermal Conductivity	λ	W/mK	6.5
Electrical Properties			
Breakdown Voltage	$U_{d;ac}$	kV	1.0
Dielectric Breakdown	$E_{d;ac}$	KV/mm	4.0
Volume Resistivity		Ωcm	2.0×10^{14}
Dielectric Loss Factor	$\tan \delta$	1	1.4×10^{-3}
Dielectric Constant	ϵ_r	1	2.4
Mechanical Properties			
Overall Thickness ($\pm 10\%$)		mm	0.250
Hardness		Shore A	60 - 70
Tensile Strength		N/mm ²	13
Elongation		%	2
Physical Properties			
Application Temperature		$^{\circ}\text{C}$	-40 to +200
Density		g/cm^3	1.23
Flame class		UL	94V-0
Possible Thickness		mm	0.25 - 0.50

On request, these films can also be supplied with fiberglass reinforcement and with or without adhesive coating. The excellent thermal resistance of this film enables the optimum heat transfer to the heat sink.

The following thicknesses are available: 0.250 mm, 0.3 mm, 0.4 mm, 0.5 mm