

H48-2K / TG-A482K Thermal Pad

REACH Compliant RoHS Compliant UL Compliant

Features

- Very low thickness available
- Low oil-bleed
- Low contact thermal impedance
- High dielectric breakdown voltage

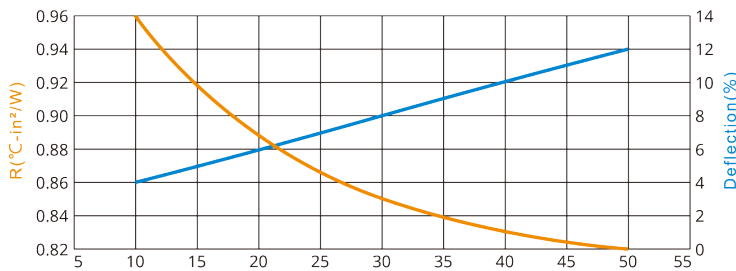
Applications

Suitable for light electronics

Electronic components - Electric Vehicles, 5G, Autopilot System, Mobile Phone, AIOT, HPC (High Performance Computing), Server, IC, CPU, MOS, LED, Mother Board, Power Supply, Heat Sink, LCD-TV, Notebook, PC, Telecom Device, Wireless Hub, DDR II Module, etc.

Properties

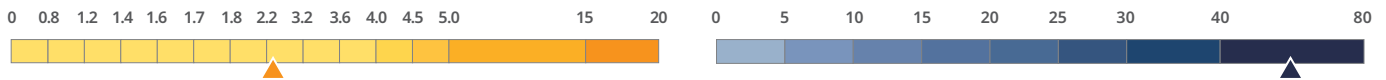
Thermal Resistance vs. Pressure vs. Deflection



Pressure (psi)	R (°C-in²/W)	Deflection (%)
10	0.96	4
30	0.85	8
50	0.82	12

Thermal Conductivity : 2.3 W/mK

Hardness : 70 (Shore A)



Properties	H48-2K / TG-A482K	Unit	Tolerance	Test Method
Thermal Conductivity	2.3	W/mK	±10%	ASTM D5470
Thickness	0.1/0.2/0.3	mm	-	ASTM D374
	0.0039/0.0078/0.0118	inch	-	ASTM D374
Color	Dark Red	-	-	Visual
Flame Rating	V-0	-	-	UL 94
Dielectric Breakdown Voltage	≥1.3/≥2.6/≥3.6	KV/mm	-	ASTM D149
Weight Loss	< 0.5	%	-	ASTM E595
Density	2.4	g/cm³	±10%	ASTM D792
Working Temperature	-45~+200	°C	-	-
Volume Resistance	>10 ¹²	Ohm-m	-	ASTM D257
Elongation	50	%	-	ASTM D412
Standard Format	Sheet	-	-	-
Hardness	70	Shore A	±7	ASTM D2240

※Different tolerances according to the selected thickness
 ※Pre-cut for different shapes

T-Global Technology (Europe & North America) Limited

Units 1-2 Cosford Business Park, Central Park, Lutterworth, Leicestershire, LE17 4QU, United Kingdom
 T +44 (0)1455 553 510 E sales@tglobaltechnology.com W www.tglobaltechnology.com

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