

H48-6S

Thermal Pad



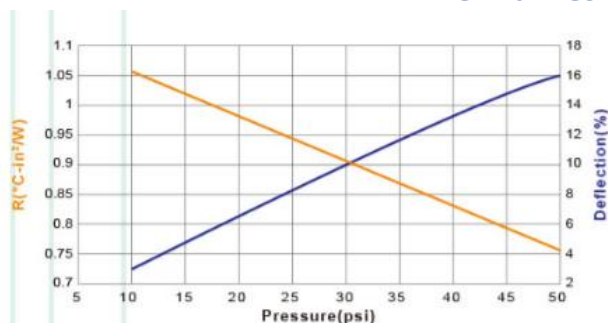
Features

- Very good thermal conductivity
- High breakdown voltage
- Natural tack
- Easy to assemble

Applications

- Best for TO-220
- 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.

Thermal Resistance VS. Pressure VS. Deflection



Pressure (psi)	R(°C-in ² /W)	Deflection(%)
10	1.06	3
30	0.91	10
50	0.76	16

Properties ◆ REACH Compliant ◆ RoHS Compliant ◆ UL Compliant

Thermal Conductivity: 1.8 W/m.K



Hardness: 90 (Shore A)

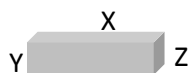


Testing sample thickness: 0.23mm

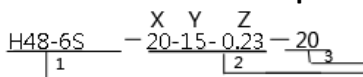
In "Thermal resistance V.S. Pressure V.S. Deflection" chart, H48-6S provides low thermal impedance. The pressure gets higher, the thermal impedance gets lower, and deflection percentage gets higher. H48-6S provides good compliance and softness.

Properties	H48-6S	Unit	Tolerance	Test Method
Thermal Conductivity	1.8	W / mK	±0.18	ASTM D5470
Thickness	0.23	mm	-	ASTM D374
	0.0091	inch	-	ASTM D374
Color	Dark Red	-	-	Visual
Flame Rating	V-0	-	-	UL 94
Dielectric Breakdown Voltage	7	KV	±0.7	ASTM D149
Weight Loss	<1	%	-	ASTM E595
Density	1.95	g / cm ³	±0.2	ASTM D792
Working Temperature	-40~+200	°C	-	-
Volume Resistance	>10 ¹²	Ohm-m	-	ASTM D257
Elongation	0.2	%	-	ASTM D412
Tensile Strength	66.5	Kgf / cm ²	-	ASTM D412
Standard Shape	Sheet ones	-	-	-
Hardness	90	Shore A	±5	ASTM D2240

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

