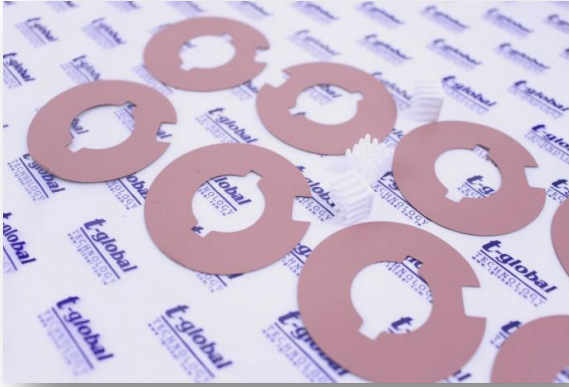


# H48-6S

## Thermal Pad



### Features

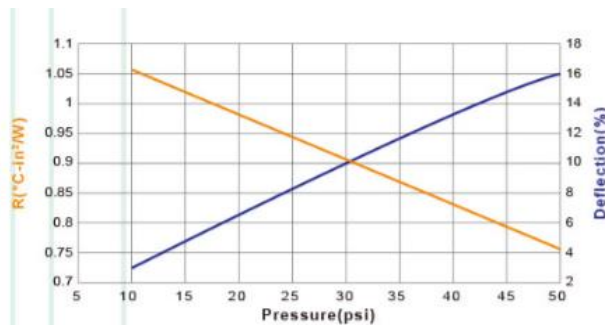
- Very good thermal conductivity
- High breakdown voltage
- Natural tack
- Easy to assemble

### Applications

Best for TO-220

Electronic components: IC, CPU, MOS, LED, M/B, P/S, Heat Sink  
LCD-TV, Notebook PC, PC, Telecom Device, Wireless Hub.....etc  
DDR II Module, DVD Applications, Hand-set applications.....etc

### Thermal Resistance VS. Pressure VS. Deflection



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

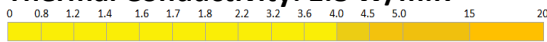
### Properties

✓ REACH Compliant

✓ RoHS Compliant

✓ UL Compliant

Thermal Conductivity: 1.8 W/m.K



Hardness: 90 (Shore A)



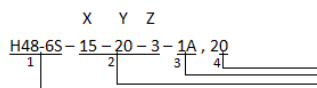
Testing sample thickness: 0.23mm

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 / mm	±0.7	ASTM D149
Weight Loss	<1	%	-	ASTM E595
Specific Gravity	1.95	g / cm <sup>3</sup>	±0.2	ASTM D792
Working Temperature	-40~+200	°C	-	-
Volume Resistance	>10 <sup>12</sup>	Ohm-cm	-	ASTM D257
Elongation	0.2	%	-	ASTM D412
Tensile Strength	66.5	Kgf / cm <sup>2</sup>	-	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. Apply the adhesive or not? 0= none, 1A= one side, 2A= two sides
4. Fill the quantity you need

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