

# H48-6S / TG-A486S Thermal Pad

REACH Compliant    RoHS Compliant    UL Compliant

## Features

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

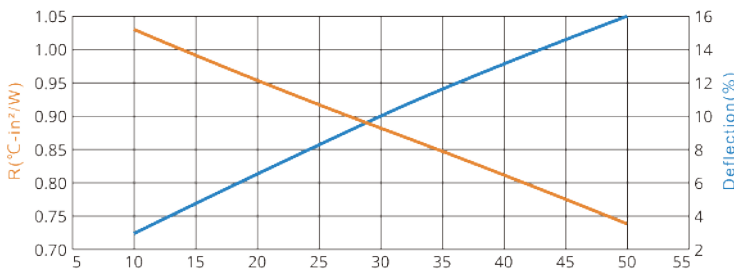
## Applications

Best for TO-220

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

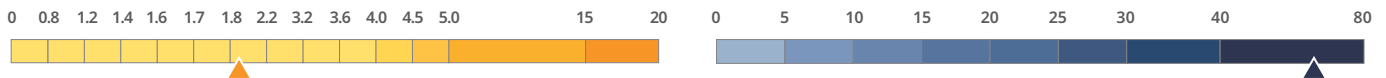
Thermal Resistance vs. Pressure vs. Deflection



Pressure (psi)	R (°C-in²/W)	Deflection (%)
10	1.03	3
30	0.88	10
50	0.74	16

Thermal Conductivity : 1.9 W/mK

Hardness : 75 (Shore A)



Properties	H48-6S / TG-A486S	Unit	Tolerance	Test Method
Thermal Conductivity	1.9	W/mK	±10%	ASTM D5470
Thickness	0.23	mm	-	ASTM D374
	0.0091	inch	-	ASTM D374
Colour	Dark Red	-	-	Visual
Flame Rating	V-0	-	-	UL 94
Dielectric Breakdown Voltage	7	KV/mm	±10%	ASTM D149
Weight Loss	<1	%	-	ASTM E595
Density	1.95	g/cm³	±10%	ASTM D792
Working Temperature	-40~+200	°C	-	-
Volume Resistance	>10 <sup>12</sup>	Ohm-m	-	ASTM D257
Elongation	0.2	%	-	ASTM D412
Tensile Strength	66.5	kgf/cm²	-	ASTM D412
Standard Format	Sheet	-	-	-
Hardness	75	Shore A	±7	ASTM D2240

Pre-cut for different shapes

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