

H48-6S 導熱矽膠 Thermal Pad



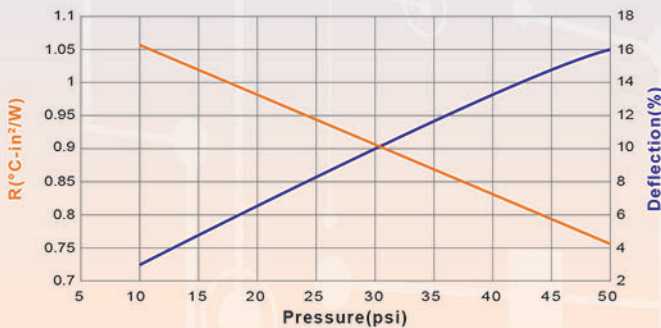
產品特性 Features

Very good thermal conductivity 良好的導熱性
High breakdown voltage 高耐電壓
Natural tack 具自黏性
Easy to assemble 容易施工

產品應用端 Applications

Best for TO-220 適用於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.

熱阻抗VS.壓力VS.變形量示意圖 Thermal Resistance VS. Pressure VS. Deflection

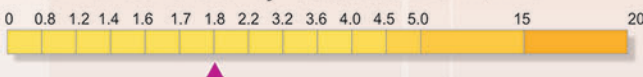


Pressure(psi)	R(°C-in ² /W)	Deflection(%)
10	1.06	3
30	0.91	10
50	0.76	16

產品物性 Properties

● REACH Compliant 符合REACH規範 ● RoHS Compliant 符合RoHS規範 ● UL Compliant 符合UL規範

Thermal Conductivity 導熱係數 : 1.8 W/mK



Hardness 軟硬度 : 90 (Shore A)



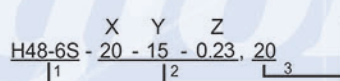
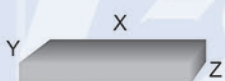
Testing sample thickness: 0.23mm

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 導熱係數	1.8	W / mK	±0.18	ASTM D5470
Thickness 厚度	0.23	mm	-	ASTM D374
	0.0091	inch	-	ASTM D374
Color 顏色	Dark Red 深紅	-	-	Visual 目視
Flame Rating 耐燃等級	V-0	-	-	UL 94
Dielectric Breakdown Voltage 耐電壓	7	KV	±0.7	ASTM D149
Weight Loss 重量損失	<1	%	-	ASTM E595
Density 密度	1.95	g / cm ³	±0.2	ASTM D792
Working Temperature 工作溫度	-40~+200	°C	-	-
Volume Resistance 體積阻抗	>10 ¹²	Ohm-m	-	ASTM D257
Elongation 延展率	0.2	%	-	ASTM D412
Tensile Strength 抗拉強度	66.5	Kgf / cm ²	-	ASTM D412
Standard Shape 標準形狀	Sheet ones 單片狀	-	-	-
Hardness 硬度	90	Shore A	±5	ASTM D2240

Need samples? 樣品需求?

Pre-cut for different shapes 可依需求沖型裁切



1. Choose the P/N
2. Fill into size: X,Y,Z
3. Fill the quantity you need