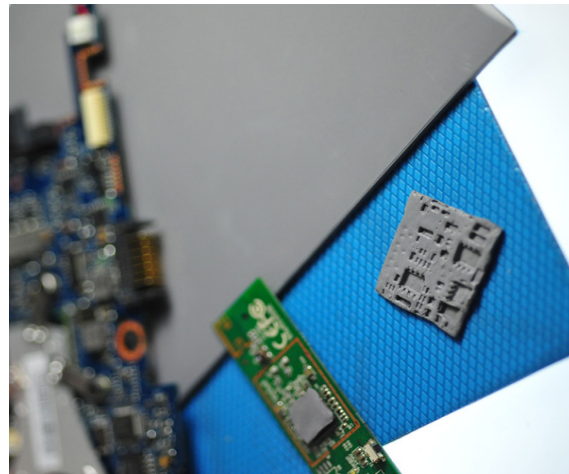


导热胶泥垫片/ XK-P45-PUTTY

XK- P45-PUTTY 是一款高度整合的导热硅胶片。产品保存了原来的 XK- P45 材料优质的导热性能，很容易适应和粘附表面不平整的部件，达到可靠和完整的物理接触。

- 在低承载力及高压缩率的环境下，仍易于流动及填充空隙，
- 适用于填缝 0.2 毫米或更少的差距。
- 提供最佳的热性能和可靠性。
- UL 94 V-0 认证
- 低分子硅氧烷含量很低。



1. 产品特性(Product Properties) :

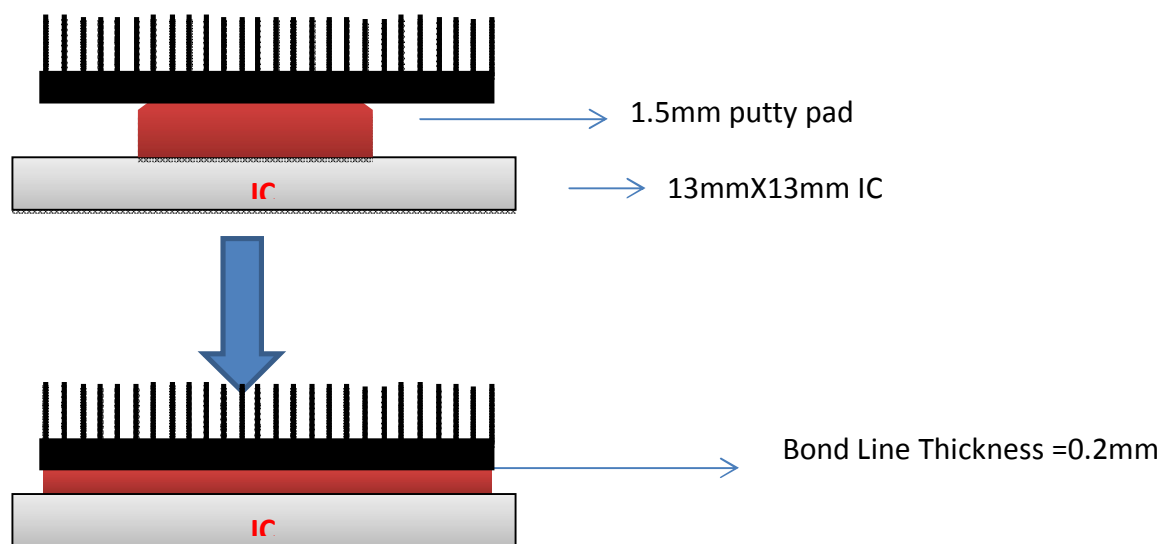
	P45-putty	unit	Test Method
Thickness	1.0/ 1.5	mm	
Color	Light Gray		Visual
Construction	Silicone		
Op. temp. range	-45~150	°C	
Density	3.1	g/cm ³	ASTM D792
Thermal Conductivity	4.5	W/mK	HOTDISK
Breakdown Voltage	15	KV/mm	ASTM D149
Volume Resistance	10 ¹⁰	Ohm-cm	ASTM D257
Total Mass Loss	<0.4%	%	ASTM E595
Tensile strength	na	psi	ASTM D412
Elongation	na	%	ASTM D412
Flame Rating	V-0		UL-94
REACH/ RoHS Compliant	Yes		REACH/ RoHS

2. 导热特性(Thermal Properties):

	XK-P45-PUTTY
RA	(Kin2/W)
compress30%	0.30
compress40%	0.26
compress50%	0.23
compress70%	0.18
compress90%	0.15

3. 压缩比(The Compression Load) :

	XK-P45-PUTTY
	Pressure(psi)
Compress30%	10
Compress40%	26
Compress50%	45
Compress70%	55
Compress90%	75



$$\begin{aligned}
 X &= \sqrt{(BLT \times IC \text{ Area}) / 1.5mm} \\
 &= \sqrt{(0.2mm \times 13mm \times 13mm) / 1.5mm} \\
 &= 4.7
 \end{aligned}$$

USE 5mm X 5mm @1.5mm Thickness