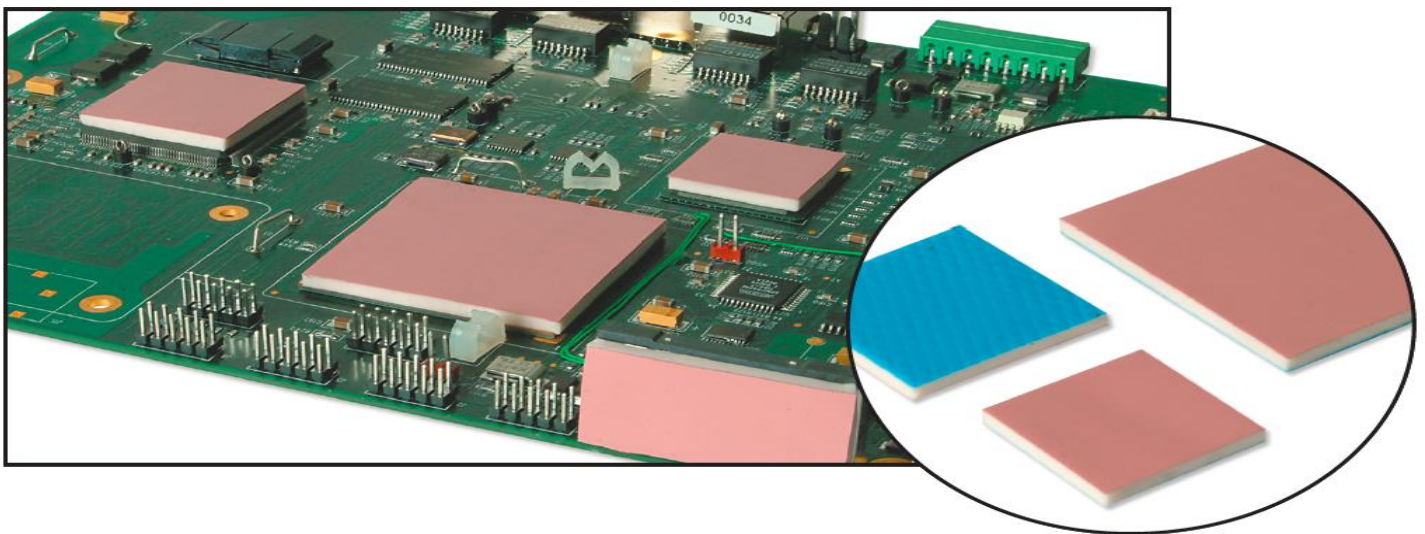


TC 导热软硅胶片

TC Soft Thermal Conductive Silicon Pad w/o Reinforcement

NKS的导热软硅胶片是一种高性能间隙填充导热材料，产品本身柔软，自粘，有弹性，可很好的填补发热元件与散热模组、金属机构和机壳之间的空隙，快速散热，从而提升元件之工作效能和延长设备寿命。

NKS Soft Thermal Conductive Silicon Pad is a kind of thermal interface with high performance. It is soft, self-sticky and elastic. It can fill the gap between heat-generating components and heat sink, metal mechanism and shell or other cooling devices. The heat can be transferred out speedily so as to improve the electronic components' working efficiency and prolong the life-span of equipments.



产品特点:

主要特点 Key Features:

- 优越的导热性和电气绝缘性;
- ★ Excellent thermal conductivity and electrical insulation.
- 柔软、自粘及高压缩性，可作为震动冲击吸收体;
- ★ Soft, self-sticky and elastic. Can be used as buffer absorber.
- 有多种厚度、硬度和导热性供客选择;
- ★ Multiple thicknesses, hardness, and thermal conductivities.
- 符合 ROHS 及 UL 的环境要求;
- ★ Meet the environmental requirements of ROHS and UL.

应用领域 Application Ideas:

- LED 灯、LED 电视等大功率产品;
- ★ High Power products like LED lights, LED TV, etc.
- 等离子显示器、液晶显示器、平板电脑、台式机、通讯设备、路由器等;
- ★ PDP, LCD, Laptop, PC, Communication hardware equipments, Routers, etc.
- IC, CPU, COP, 电子电容、MOS, 电源模组、伺服器、影音播放器、手机 等;
- ★ IC, CPU, COP, Capacitance, MOS, Power Supply Module, Server, Player, Mobile Phone, etc.

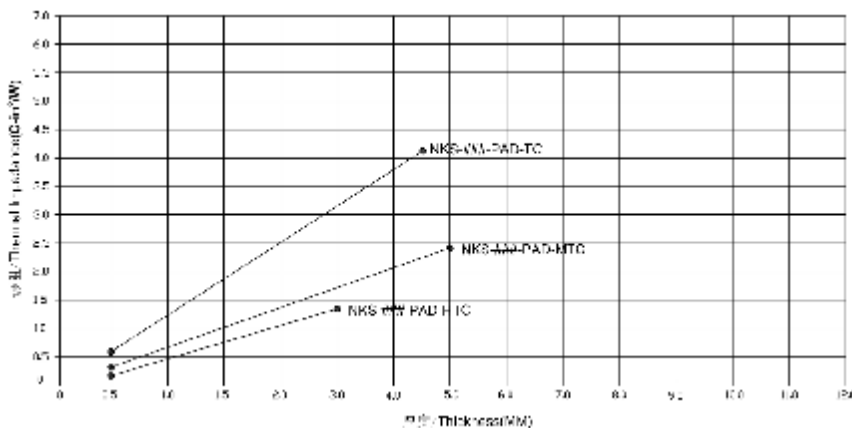
性能参数 Physical Properties:

型号 Item	NKS-###-PAD-TC	NKS-###-PAD-MTC	NKS-###-PAD-HTC	测试方法 Test Method
基材 Reinforced Carrier	无 N/A	无 N/A	无 N/A	---
材质 Pad Type	导热硅胶 Silicone Polymer	导热硅胶 Silicone Polymer	导热硅胶 Silicone Polymer	---
厚度 (mm) Thickness (mm)	0.25~12.00	0.25~5.0	0.25~3.0	ASTM D 374
颜色 Color	灰色/粉色/黑色/蓝色/黄色 Grey/Pink/Blue/Black	灰色/粉色/黑色/蓝色/黄色 Grey/Pink/Blue/Black	灰色/粉色/黑色/蓝色/黄色 Grey/Pink/Blue/Black	VISUAL
比重(g/cc) Density(g/cc)	1.8~2.8	3.0	3.2~3.5	ASTM D792
硬度(Shore C) Hardness(Shore C)	30±5	25±5	25±5	ASTM D2240
导热系数(W/m-k) Thermal Conductivity(W/m-k)	1.0~2.5	2.0~3.0	3.0~6.0	ASTM D2240
耐电压(KV/mm) Voltage Resistance(KV/mm)	>4.0	>4.0	>4.0	ASTM D149
耐温性能 (°C/°F) Temperature Resistance (°C/°F)	-40~+220(°C) -104~+428(°F)	-40~+220(°C) -104~+428(°F)	-40~+220(°C) -104~+428(°F)	ASTM D5470
体积电阻(Ω .cm) Volume Resistance(Ω .cm)	1.0*10 ¹¹	3.1*10 ¹¹	3.1*10 ¹¹	ASTM D257
阻燃性 Flame Rating	V-0	V-0	V-0	UL-94
标准尺寸 (mm) Standard Size (mm)	200*400 (可定制) 200*400(Customized Available)			

注：以上数据仅作参考，详细资料可咨询我司。

Notice: The above were reference value. For detail information, please contact Naikos.

厚度与热阻关系图 Thickness VS Thermal Impedance



说明： 我司可根据客户要求进行单面或者双面背胶，并可根据客户要求的规格订做加工。欢迎新老客户免费咨询。

Note: The thermal pads can be laminated with double sided adhesive on one side or both sides according to customers' requirements. Customized specifications are available.

Storage Conditions:

Store in a clean dry shady place. Temperature of 23 degrees Celsius and 65 percent relative humidity are recommended.

Notice:

All physical properties, statements, and recommendations are based either on tests we believe to be reliable or our experience, but they are not guaranteed. Naikos recommends each user determine the suitability of the product for the intended purpose.

Warranty and Limited Remedy:

THE FOLLOWING WARRANTY IS MADE IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, AND ANY IMPLIED WARRANTY ARISING OUT OF A COURSE OF DEALING, CUSTOM OR USAGE OF TRADE.

Naikos warrants its tape will be free from defects in material and manufacturer. If a tape is proved to be defective, then the exclusive remedy, and Naikos' and seller's sole obligation shall be, at Naikos' option, to replace the quantity of the tape which is proved to be defective or to refund the purchase price.

Limitations of Liability:

Except where prohibited by law, Naikos will not be liable for any loss or damage arising from the Naikos' product, whether direct, indirect, special, incidental or consequential regardless of the legal theory asserted, including warranty, contract, negligence or strict liability.

The forgoing Warranty and Limited Remedy and Limitation of Liability may be changed only by a written agreement signed by authorized officers of Naikos and seller.

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