



Features 特性

- Thermal Conductivity
导热系数 12.0 W/m·K
- Natural Tackiness 自黏性
- Low Compress Stress
低压缩应力
- Low Thermal Resistance
低热阻

Applications 产品应用

- Consumer Electronics
消费电子
- Network Equipment
网通设备
- Voltage Regulation Modules
电压调节模块
- High Speed Storage Drive
高速存储驱动器

Thermal GP1200 导热硅胶垫片是一款高导热性能的材料，双面微粘装配使用时，能够发热器件在散热片或金属底座之间构建良好的导热通路，低压缩力下表现出较低的热阻和较好的电气绝缘特性。

Thermal GP1200 thermal conductive silicone gap pad is a kind of material with high thermal conductivity. Owing to double-sided natural tackiness, the material can build up a good heat conduction path between the heat sink and the metal substrate during assembly. The product shows low thermal resistance and good electrical insulation properties under low compression force.

| Property 特性 | Typical Value 典型值 | Unit 单位 | Test Method 测试方法 |
|-------------------------------------|--|-------------------|---------------------|
| Composition 主要成分 | Silicone Filled with Thermal Powder 硅胶&导热粉体 | — | — |
| Color 颜色 | Gray 灰色 | — | Visual 目视 |
| Thermal Conductivity 导热系数 | 12.0 | W/m·K | ASTM D5470 |
| Thickness 厚度 | 0.5 - 5.0 | mm | ASTM D374 |
| Hardness 硬度 (Shore 00) | 60 - 85 | — | ASTM D2240 |
| Oil Bleeding 渗油率 | 0.5 | % | 125°C 48H 50% 压缩 |
| Density 密度 | 3.3 | g/cm ³ | ASTM D792 |
| Temperature Range 耐温范围 | -40 - 150 | °C | — |
| Breakdown Voltage 击穿强度 | 8.0 | KV/mm | ASTM D149 |
| Volume Resistivity 体积电阻率 | 10 ¹³ | Ω.cm | ASTM D257 |
| Flame Rating 阻燃等级 | V-0 | — | UL 94 |
| RoHS Compliance 合规性 | YES | — | — |
| Shelf Life 保存期 | 12 | month | 25±5°C, 50% RH |

All technical information stated in this technical data have been confirmed that all the technical parameters are reliable after harsh testing and evaluation of the products. Before you use our products, please carefully evaluate and decide whether the product meets your requirement and you need to take all the risks and responsibilities to use.

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