



Features 特性

- Easy to Handle 操作简单
- Low Thermal Resistance 低热阻
- Natural Tackiness 自然粘性
- Excellent Reliability 高可靠性

Applications 产品应用

- Service Station 服务器
- Communication Equipment 通讯设备
- LED Lighting LED 照明
- Smart Terminal 智能终端

Thermal PC0800 导热相变化材料，在室温下呈固态，易于操作。当达到相变化温度以上时，发生相变呈半流动状态，较低的粘度便于充分填充热源与散热器间的间隙，最大限度的降低界面热阻，提高整体的散热效率。

Thermal PC0800 thermally conductive phase change material is a kind of material in solid form at room temperature for easy handling. The materials change form at phase change temperature and transform to liquid form to flow. Lower viscosity is achieved to make sure the materials can be fully filled in the gap between heat source and heat sink to reduce interface thermal resistance and improve the overall heat dissipation efficiency.

Property 特性	Typical Value 典型值	Unit 单位	Test Method 测试方法
Color 颜色	Gray 灰色	—	Visual 目视
Thermal Conductivity 导热系数	8.0	W/m·K	ASTM D5470
Thermal Resistance 热阻	0.085@40Psi	°C.cm ² / W	ASTM D5470
Thickness 厚度	0.20 – 0.50	mm	ASTM D374
Phase Change Temperature 相变化温度	50-60	°C	ASTM D3418
Density 密度	2.8	g/cm ³	ASTM D792
Temperature Range 耐温范围	-40 - 150	°C	—
Flame Rating 阻燃等级	V-0	—	UL 94
RoHS Compliance 合规性	YES	—	—
Shelf Life 保存期	6	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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