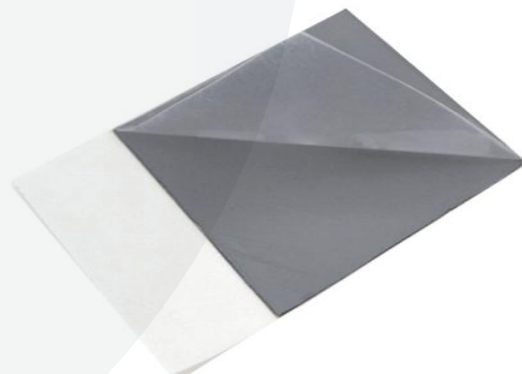


导热相变材料

PHASE-CHANGE MATERIALS



产品介绍 PRODUCT INTRODUCTION

导热相变化材料是一类以相变化材料为基材制成的导热材料，具有温致相变特性。使用时，当器件的工作温度超过材料的相变温度时，相变材料就会变软而填充到热源和散热器之间，相对于普通导热材料，相变材料拥有更好的润湿性，接触热阻更低，导热效果更好。

Thermally conductive phase change material is a kind of thermally conductive materials made of phase-change materials. When the working temperature of the device exceeds the phase change temperature of the material, it will become soft and be filled between the heat source and the radiator. Compared with conventional heat conducting materials, the phase change material has better wettability, lower contact thermal resistance and better heat dissipation.

产品特点 PRODUCT FEATURE

- 更好的润湿性，较低的接触热阻
- 可贴片可印刷，使用方便
- Better wettability and lower contact thermal resistance
- It can be mounted, printed and easy to use

典型应用 TYPICAL APPLICATION

- IGBT 模块
- DC/DC 转换器
- 无人机
- 汽车电子
- 缓存芯片
- IGBT module
- DC/DC converter
- UAV
- Automotive electronics
- Cache chip

产品参数 PRODUCT PARAMETER

产品型号 Models	导热系数 Thermal Conductivity	密度 Specific Gravity	相变温度 Phase Transition Temperature	热阻 Thermal Resistance	介电常数 Dielectric Constant	体积电阻率 Volume Resistivity	使用温度 Application Temperature	保质期 Shelf Life
	W/m.K	g/cm ³	℃	℃ in ² /W	@1KHz/1MHz	Ω • cm	℃	month
STPh 300	3	2.8	50	0.028	>10	≥2*10 ¹³	-40~125	12
STPh 550	5.5	2.7	45	0.017	>10	≥1*10 ¹³	-40~125	12
STPh 700	7	2.8	45	0.012	>10	≥4*10 ¹³	-40~125	12