Thermal DT0503 耐摩擦导热材料

LDS A0 2024.08

Features 特性

- High Thermal Conductivity 高导热
- Excellent Durability 耐摩擦
- High Reliability 高可靠性

Thermal DT0503 是一种可以涂刷在散热器表面的高导热材料，在反复插拔后也具有优异的耐磨性能。相比纯金属基材的接触，涂层材料的引入可以提供有效的导热通路来降低模块表面热量，适用于可插拔光模块等应用。.

Thermal DT0503 is specific designed thermally conductive material coated on heat sink with excellent durability performance after repeated pull and plug actions. The coating material generates effective thermal conductive approaches to reduce heat compared with bared metal-to-metal substrate, which is suitable for pluggable optical modules applications.

Applications 产品应用

- Optical Modules 光模块

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 Performance Improvement over Metal-to-Metal Substrate at 30W Power 30W 功率下相比金属基材的热收益	5	°C	Internal Method 内部方法
Durability Performance, Coating Area after 150 Times Abrasion 耐磨能力，150 次摩擦后的涂层面积	>= 80	%	Internal Method 内部方法
Thickness 涂层厚度	30	μm	—
Temperature Range 耐温范围	-40 - 125	°C	—
Flame Rating 阻燃等级	V-0	—	UL 94
RoHS Compliance 合规性	YES	—	—