

# RH-GPAM180-9010

## 导热吸波材料

Heat conduction absorbing material

### Features and Benefits

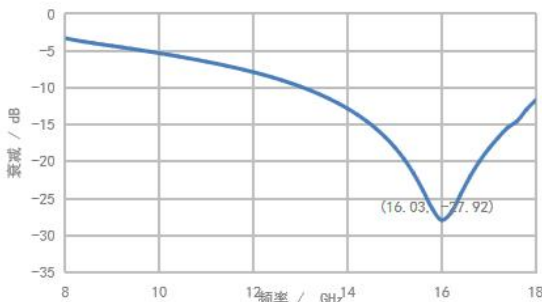
#### 特点与优势

- ✦ High thermal conductivity: 1.8W/m-K  
导热系数: 1.8W/M-K
- ✦ Good electrical insulation performance  
良好的电气绝缘性能
- ✦ Good flexibility and high compression ratio  
柔韧性好、压缩率高
- ✦ Easy to cut and use  
易裁切、易使用性



RH-GPAM180-9010 It is a new EMI shielding material that combines wave absorption and heat conduction solutions, and is placed between the heat source and the radiator for heat conduction. By controlling the thickness, the absorption effect is good in the operating frequency band of 4-40GHz, which is particularly suitable for the application of optical modules.

RH-GPAM180-9010 它是一种结合了吸波和导热解决方案的新型 EMI 屏蔽材料，置于热源和散热器之间进行热传导。通过控制厚度，在 4-40GHz 的工作频段吸收效果好，特别适合光模块的应用。



反射损耗曲线 (T=1.0mm)

The above suggestions and data are based on information that we believe to be reliable. Therefore, these suggestions and data are only for reference, not as product guarantee. It is up to the customer to decide whether the product is suitable or suitable for special use. We recommend that users first determine the suitability of our materials and recommendations before using them in large quantities.

以上建议及数据均来自我们认为可靠的资料。因此这些建议及数据仅供参考，而不作为产品保证。应由客户决定产品是否合适或适用特殊用途。我们建议用户在大量使用前，首先确定我们的材料适用性和建议。

### RH-GPAM180-9010

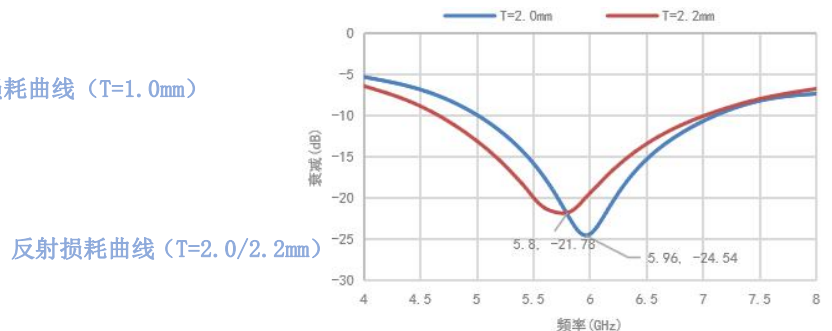
Property	Parameter	Unit	Test Method
Color 颜色	灰色 Dark	--	Visual
Thermal Conductivity 导热系数	1.8	W/m.k	ASTM D5470
Volume Resistivity 体积电阻率	$\geq 10^9$	ohm-cm	ASTM D257
Dielectric Brekdown Voltage 击穿电压	4.5	KV	ASTM D149
Hardness 硬度	45	Shore 00	ASTM D2240
Thickness 厚度	0.5-5.0	mm	ASTM D374
Density 密度	4.0	g/cc	ASTM D792
Working Temperature 工作温度	-45~200	°C	--
Fire Rating 防火等级	V-0	--	UL94
RoHS/REACH	Compliance	--	--
热阻 VS 压力 (PS)	5 10 20 30 40 50		
压力 热阻(°C *in2/W)	1.02 0.97 0.89 0.78 0.76 0.74		

使用 ASTM D5470 测试夹具,记录值包括界面热阻,数值仅供参考。实际应用性能到所施加的表面粗糙度、平整度和压力。注:厚度公差:±10%,硬度公差:±5°,颜色/厚度/硬度均可按顾客需求调试。

### Applications

#### 典型应用

- ✦ FPC、IC、CPU、MOS、LED
- ✦ Notebook computer, heating components, Road Post, computer, TV, etc  
笔记本电脑、发热元器件、路邮器、电脑、电视等
- ✦ Optical communication, amplifier system, etc  
光通讯, 功放系统等



反射损耗曲线 (T=2.0/2.2mm)

Storage & Transportation: store in a ventilated, cool and dry place, do not contact with open fire. This product is non-toxic and is stored and transported as non dangerous goods.

储存&运输: 贮存于通风、阴凉、干燥处, 不要接触明火。本产品无毒, 按非危险品贮存及运输。

Packaging: customized packaging according to customer needs.

包装: 根据客户需求定制包装。

Safety: please refer to material safety performance data (MSDS) of our company

安全: 请参阅本公司《材料安全性能数据 (MSDS)》

Period of validity: the product is valid for 12 months

有效期: 本产品有效期为 12 个月