吸波材料
Absorbing Material



01. 吸波片 Absorber

产品介绍
PRODUCT INTRODUCTION

吸波片是指能吸收投射到它表面的电磁波能量的一类材料，将这种材料应用于电子设备中可吸收泄露的电磁辐射，能达到消除电磁干扰的目的。

Absorber refers to a kind of material that can absorb the electromagnetic energy projected onto its surface. The application of this material in electronic equipment can absorb the leaked electromagnetic radiation and eliminate electromagnetic interference.

产品特点
PRODUCT FEATURE

- 吸波性能优异
- 耐湿，耐温，抗腐蚀
- 频段广，从 20MHZ-100GHZ
- Excellent microwave absorption performance
- Moisture resistance, Temperature resistance, Corrosion resistance
- Wide frequency band, 20MHz-40GHz

典型应用
TYPICAL APPLICATION

- 汽车雷达 / Automotive radar
- 光模块 / Optical module
- 读卡器 / Card reader
- 影像通讯 / Image communication
- 无线充电 / Wireless charging

产品参数
PRODUCT PARAMETER

产品型号 Product Name	厚度 Thickness	击穿电压 Breakdown Voltage	密度 Density	硬度 Hardness	有效频率范围 Frequency Range	体积电阻率 Volume Resistivity	磁导率 Permeability	可背胶 Backed PSA	使用温度 Application Temperature	阻燃等级 Flammability Rating	保质期 Shelf life
	mm	kV	g/cm³	Shore A	GHz	Ω·cm	@1MHz		℃	UL 94	month
SWA 5G	0.25~5.0	≥3	3.8	65	1~40GHz	≥10⁹	/	√	-40 ~ 150	V-0	24
SWA-SR1(SWA 8G)	0.25~5.0	≥3	4.6	30	2~40GHz	≥10⁹	/	√	-40 ~ 150	V-0	24
SWA-SR2(SWA 10G)	0.25~5.0	≥3	4.25	65	1~40GHz	≥10⁹	/	√	-40 ~ 150	V-0	24
SWA 20G	0.25~3.0	≥5	3	50	1~40GHz	≥10⁹	/	√	-40 ~ 150	V-0	24
SWA 25G	0.25~5.0	≥5	3.2	65	1~40GHz	≥10⁹	/	√	-40 ~ 150	V-0	24