



Microwave Absorption Sheet

SY- MA101 Series

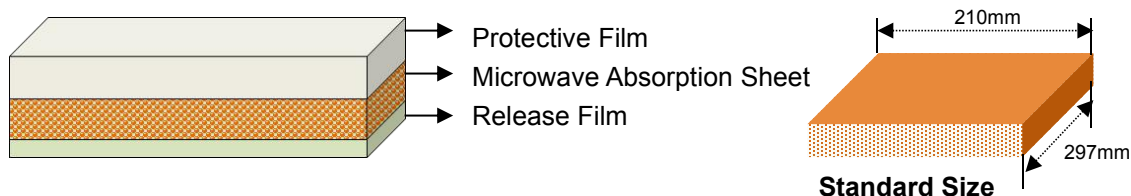
Technical Data Sheet

Version Number: A-b

❖ Product Introduction

MA101Series absorber is a hybrid microwave absorbing material which is composed of high efficient microwave absorbing powder and silica gel base material. The product is used for EMI mitigation in microwave devices and high frequency electronic equipment. It has the advantages of excellent absorbing effect, good flexibility, good temperature resistance and halogen-free environmental protection, etc.

❖ Product Structure



❖ Product Performance

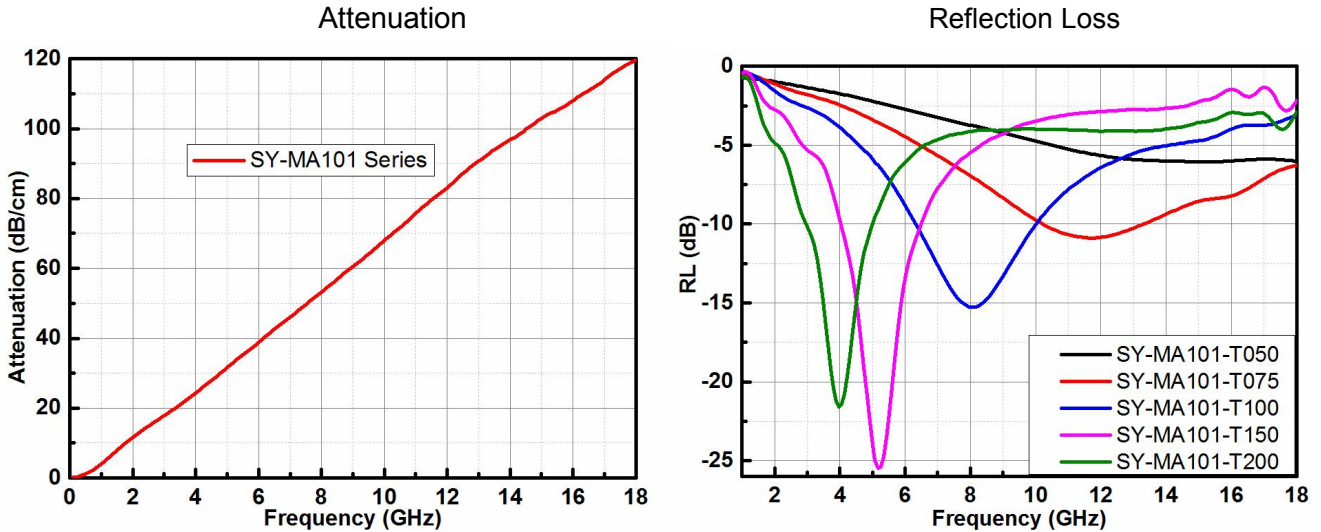
- Product has good absorption and can effectively restrain electromagnetic interference;
- Product can be attached with glue and easy to use;
- Product can be tailored to various shapes;
- according to customer request custom size, center frequency, etc. (please indicate special requirements).

❖ Features

Properties	Unit	Specifications	Test Standard	
Color	/	Dark Gray	Visual Inspection	
Thickness	mm	0.25~3.00	ASTM D374	
Thickness tolerance	/	±10%	/	
Density	g/cm ³	4.49±0.4	ASTM D792	
Hardness	Shore A	71±5	ASTM D2240	
Volume Resistivity	Ω·cm	≥10 ¹¹	ASTM D257	
Tensile Strength	MPa	≥2.5	ASTM D412	
Elongation	%	≥60	ASTM D412	
Attenuation		dB/cm@5GHz	≥27	/
		dB/cm@10GHz	≥62	/
		dB/cm@15GHz	≥97	/
Temperature range	℃	-40~125	/	
Environmental requirement	/	Halogen free and Meet standard of ROHS	/	

Note: 1.The reliability test and other test data of this series of products can be provided according to the specific design requirements of customers.

❖ **Characteristic curve**



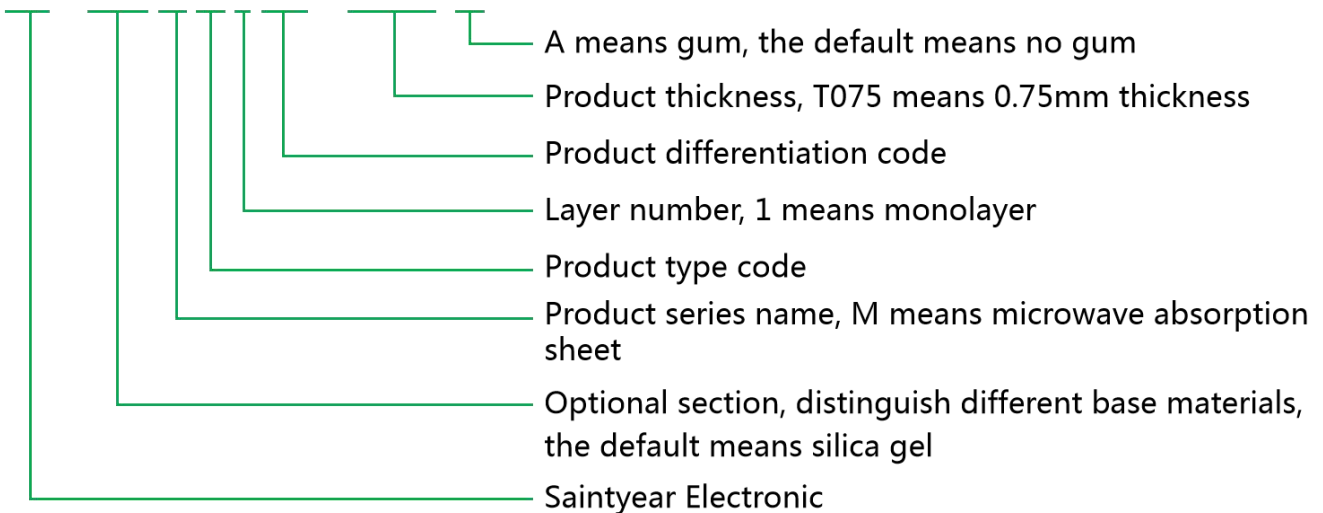
Note: The data listed are typical values for laboratory tests and should not be considered as a technical specification.

❖ **Duration and Storage Condition**

- Best if Used Before: 12 months.
- Best Storage Condition: 15°C~35°C/0~65%RH in packing case.

❖ **Naming Rules**

SY - (A) MA 101 - T 075 A



Special Declaration: We suggest user do adaptability test before the formal use of this product. Due to the diversity of practical application, our company do not guarantee that the problem appear in a specific condition, thus our company will not be responsible for any direct, indirect or accidental damage. You can contact my company's after-sales service when problems encountered in the use, we will try to help you.