

Electromagnetic Wave Absorber



Description

The microwave absorbing material is new macromolecule compounds which can absorb electromagnetic waves and prevent interference among RF electronic elements. It can effectively reduce the damage or interference caused by electromagnetic waves on the human body or communication devices, in civil use; in military use, as one of the most important and effective parts in stealth technology, it is used in stealth airplanes, stealth tanks, and stealth ships. Particularly with new developments in the design of mobile phones, new requirements have been emerging on the electromagnetic radiation to the human body (SAR). As the driving frequency of LCD in multimedia mobile phones becomes higher, the radiation and interference is a question which must be dealt with seriously. Wave-absorbing materials can provide a quick and effective solution.

As a new anti-radiation and anti-interference product, JONES-SOB wave-absorbing material is made of new macromolecule functional compounds. It consumes electromagnetic waves by means of heat, which will not cause repeated reflection of electromagnetic waves in the shielded cavity. It reduces electromagnetic interference on the equipment, and also prevents effectively electromagnetic harassment and damage to the surrounding equipment and personnel. It is an effective means to reduce electromagnetic pollution. Various specifications can be offered and customized according to your requirements.

Applications

Mainly mobile phones, notebook computers, PDA, RF part of communication equipment;

Medical and military communication equipment;

Radar antennas;

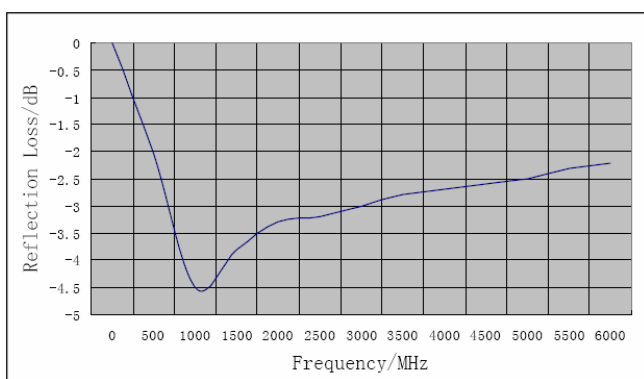
LCD flat cables, I/C and RF devices, where it can contain RF radiation interference from high-speed microprocessors.

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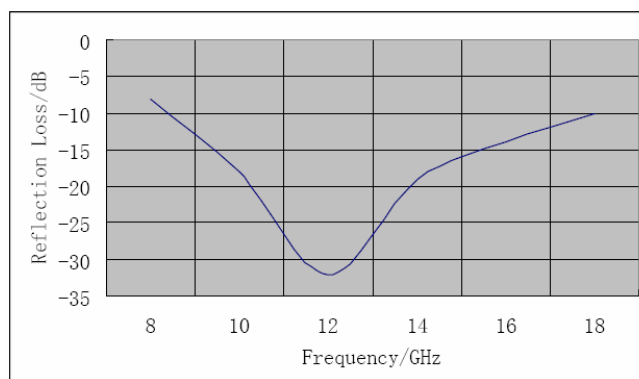
Technical data

Thickness (mm)	0.15-10.0
PSA	W/O PSA
Frequency range	100MHz~6GHz
Temperature range (°C)	-30 to ~+150
Surface insulation resistance (Ω)	1.0×10 ³ (Min.)
Absorbing performance	-5~-35dB
Dimensions	150mm×210mm

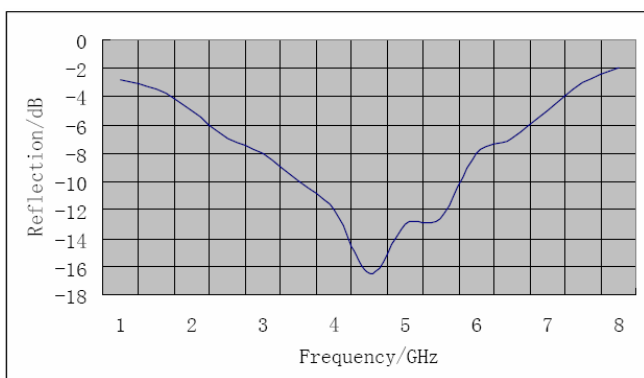
Absorbing performance



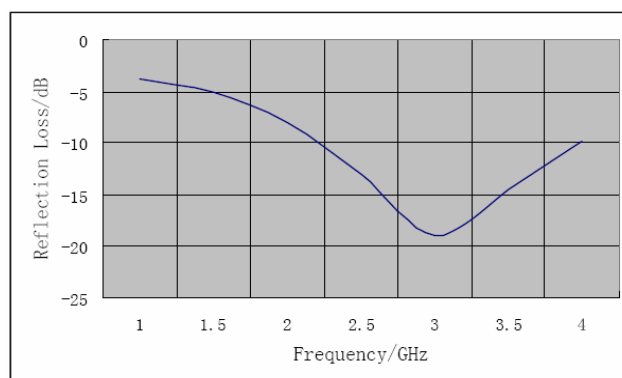
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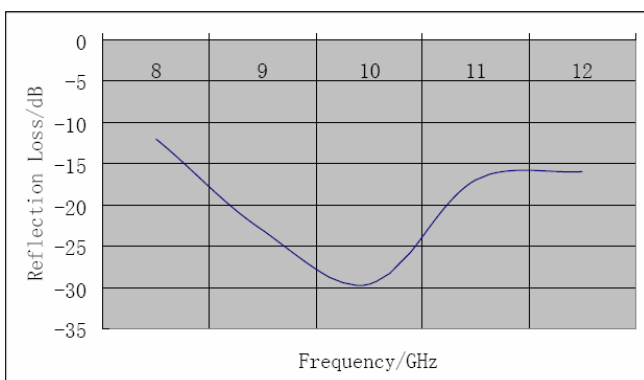
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