

High-performance EMI/RFI absorber sheets

Introduction

The high-performance EMI (electromagnetic interference) absorber and noise suppression series developed by Holland Shielding Systems B.V. can eliminate noise effectively. This product is made with magnetic metal powder. Through the distributed and mixed process, there is a Microwave absorbing sheet made of rubber sheets. As use of wide frequency band increases, this products absorbs and controls unnecessary electronic microwaves (noise). You can solve EMC/EMI problems by attaching EM absorber and noise suppression sheets simply on (part of) the noise sources.

The high performance EMI absorber sheet series is designed for applications where high noise suppression is needed in a broad frequency range. Examples are applications in the construction of medical and military devices.

Advantages

- Perfect suppression of radiation noise.
- High electrical resistance (1x10⁹ Ω)
- Flexible and easy to handle/apply with single-side adhesive, even on a rounded side.
- Can be manufactured in many shapes, sizes and thickness according to CAD drawing



The complete range of highperformance EMI/RFI absorber sheets

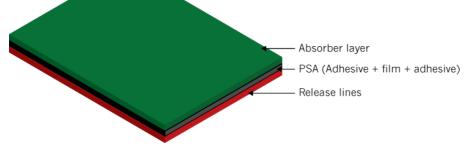


High-performance EMI/RFI absorber sheets can be cut into any shape



High-performance EMI/RFI absorber sheets can easily be attached to the source of interference with the PSA

Construction



5790 High-performance EMI/RFI absorber sheets, construction

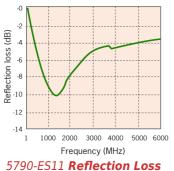
Technical specifications

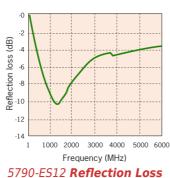
Part	11	5700 5611	5700 5610	5700 5601	5300 5645	5700 5646	5300 5643	5300 5640
number	Unit	5790-ES11	5790-ES12	5790-ES31	5790-ES45	5790-ES46	5790-ES47	5790-ES48
Feature		Wide band	Wide band	Wide band, High permeability	Standard	Wide band	Wide band	Wide band, High permeability
Structure		Single layer						
Frequency range		10 MHz to 6 G	Hz					
Permeability		55 ± 5 (@13.56MHz)	60 ± 5 (@13.56MHz)	130 ± 5 (@5MHz)	25 ± 5 (@5MHz)	70 ± 5 (@3MHz)	80 ± 5 (@3MHz)	95 ± 5 (@3MHz)
Operating temp.	°C	-30 ~ +80						
Density	g/cm³	3.7 ± 0.3	3.7 ± 0.3	3.7 ± 0.3	3.5 ± 0.3	3.5 ± 0.3	3.5 ± 0.3	3.7 ± 0.3
Surface resistance	Ω/sq	>1 x 10 ⁶						
Standard thickness	mm	0.1 mm (other	s on request)					
Standard dimensions	mm	200x300 (othe	ers on request)					
Adhesion	gf/25mm	Min 1,000						
Environmental issues		RoHS compliar	nt					

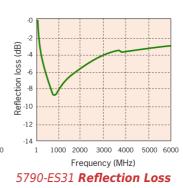


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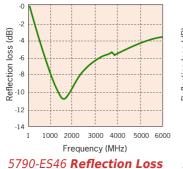
Reflection loss

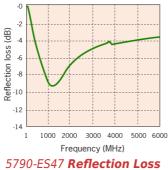
















Infratron

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Series	Туре	Width (mm)	Length (mm)		
5790	Select an option:	•			
	ES11 : Wide band 55 ± 5 (@13.56MHz)	Specify the width of the absorber sheet in mm	Specify the length of the absorber sheet in mm		
	ES12 : Wide band 60 ± 5 (@13.56MHz)				
	ES31 : Wide band, High permeability 130 ± 5 (@3MHz)				
	ES45 : Standard 25 ± 5 (@3MHz)				
	ES46 : Wide band 70 ± 5 (@3MHz)				
	ES47 : Wide band 80 ± 5 (@3MHz)				
	ES48 : Wide band, High permeability 100 ± 5 (@3MHz)				
ote: The <mark>red</mark> bloc	ks are required				