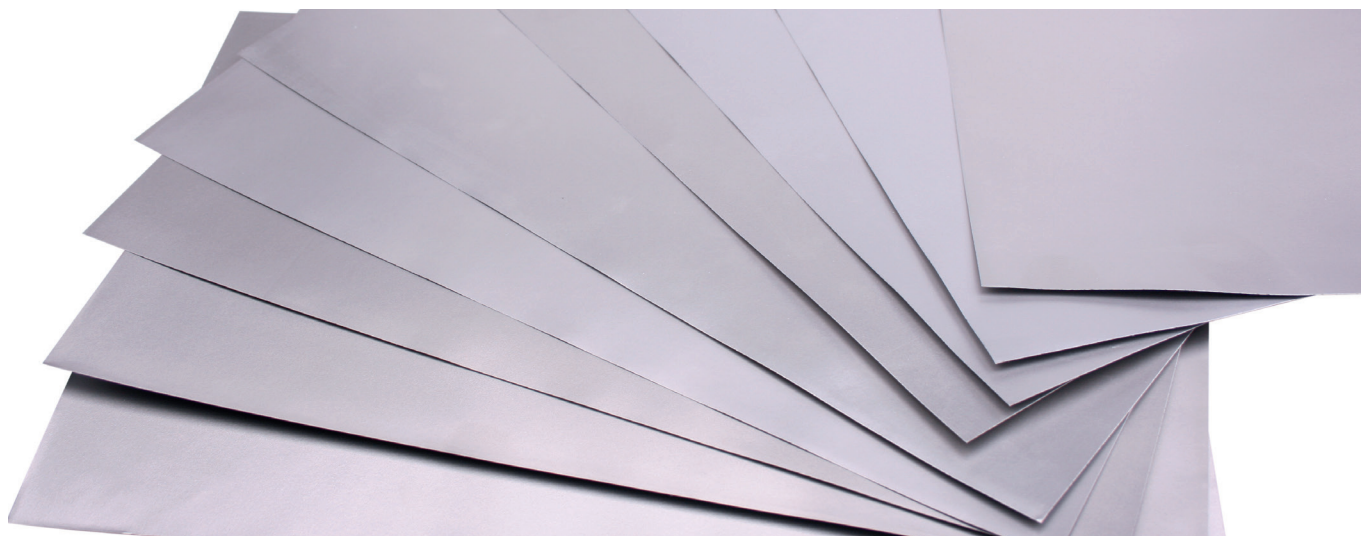


HIGH PERFORMANCE EMI ABSORBER SHEETS 5790

EMC/EMI problems can be solved by attaching EM absorber and noise suppression sheets simply next to noise sources

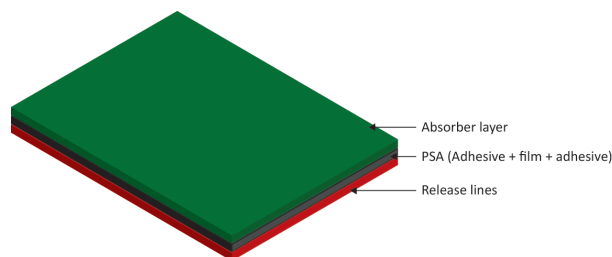


The high-performance EMI (electromagnetic interference) absorber and noise suppression series can eliminate noise effectively. This product is made with magnetic metal powder. Through the distributed and mixed process, there is a Microwave absorbing sheet made of rubber sheets.

As increasing use of wide frequency band, this products absorb and control unnecessary electronic microwaves (noise). You can solve EMC/EMI problems by attaching EM absorber and noise suppression sheets simply on the part of 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.

CONSTRUCTION



ADVANTAGES

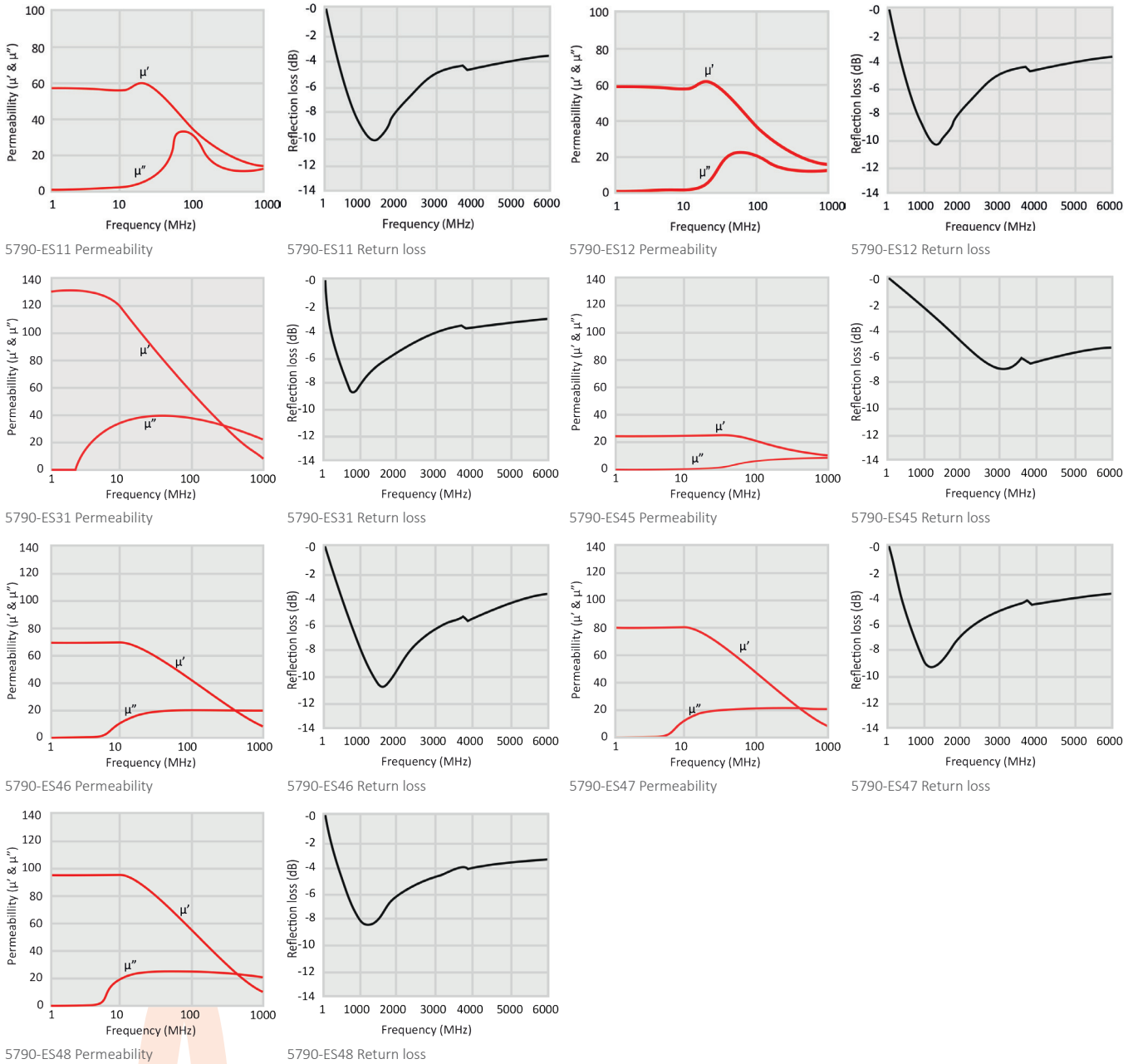
- Perfect suppression of radiation noise
- High electrical resistance ($1 \times 10^9 \Omega$)
- Flexible and easy to handle/apply with single-side adhesive, even on a rounded side
- Can be manufactured in many shapes, sizes and thickness according to CAD drawing

TECHNICAL SPECIFICATIONS

Part 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		10MHz to 6GHz						
Permeability		55 ± 5 (@13.56MHz)	60 ± 5 (@13.56MHz)	130 ± 5 (@3MHz)	25 ± 5 (@3MHz)	70 ± 5 (@3MHz)	80 ± 5 (@3MHz)	100 ± 5 (@3MHz)
Operating temp.	C°	-30 till +80						
Density	G/cm ³	3.9 ± 0.3	2.8 ± 0.3	3.7 ± 0.3	3.6 ± 0.3	3.6 ± 0.3	3.7 ± 0.3	3.7 ± 0.3
Surface resistance	Ω /sq	$>1 \times 10^6$						
Standard thickness	Mm	0.1mm (others on request)						
Standard dimensions	Mm	200x300 (others on request)						
Adhesion	Gf/25mm	Min 1.000						
Environmental issues		RoHS compliant						

» HIGH PERFORMANCE EMI ABSORBER SHEETS 5790

PERMEABILITY & REFLECTION LOSS



ORDER EXAMPLE

Series	Type	Width (mm)	Length (mm)	Thickness (mm)
5790	<p>ES11 : Wide band 55 ± 5 (@13.56MHz)</p> <p>ES12 : Wide band 60 ± 5 (@13.56MHz)</p> <p>ES31 : Wide band, High permeability 130 ± 5 (@5MHz)</p> <p>ES32 : Wide band, High permeability 110 ± 5 (@5MHz)</p> <p>ES45 : Standard 25 ± 5 (@5MHz)</p> <p>ES46 : Wide band 70 ± 5 (@3MHz)</p> <p>ES47 : Wide band 80 ± 5 (@3MHz)</p> <p>ES48 : Wide band, High permeability 95 ± 5 (@3MHz)</p>	Specify the width of the absorber sheet in mm	Specify the length of the absorber sheet in mm	Specify the desired thickness. The options (0.05, 0.1, 0.2, 0.5) can be found in the table above.