

# BandSorb® SN-32

Ultra-thin, highly permeable EMI/RF absorber

## Description:

BandSorb® SN series is an ultrathin near field noise suppression absorber used for EMI control in electronic devices. The absorber is designed for the frequency range from 10 MHz up to 6 GHz. It is used to mitigate EM energy; it interacts and suppresses the magnetic field at the noise source.

## Availability:

BandSorb® SN series materials can be supplied in sheets as well as custom configurations, standard sheet size is 300 mm x 300 mm.  
BandSorb® SN materials can be supplied with or without pressure sensitive adhesive (PSA).

## Features and Benefits

High magnetic permeability.  
RoHs, Halogen Free, Reach compliant

## Applications

BandSorb® SN series absorber can be placed over CPUs, main chip sets and other memory and power IC devices to suppress radiated noise causing interference with RF functions, crosstalk or SAR emissions  
It can be used to suppress noise currents from circuit trace lines and flat cables that act like radiating antennas causing EMI problems and crosstalk issues

## Physical Properties :

CHARACTERISTICS	TEST	UNIT	SPECIFICATIONS
SEM Elastomers absorber			SN-32
Typical Frequency Range		GHz	< 6
Typical Thicknesses		mm (inch)	0.1,0.15,0.2,0.3, 0.5,1.0 (0.004, 0.006,0.08,0.01, 0.02,0.04 )
Hardness	ASTM D 2240	Shore A	90
Elongation	ASTM D 412	%	35%
Tensile Strength	ASTM D 412	MPa (psi)	3.1 (450)
Service Temperature		°C (°F)	-40 to 85 (-40 to 185)
Flammability Rating	UL94*	-	V2
Colour	-	-	Silver
Surface Resistivity	ASTM D 991	Ω-cm (Ω-in)	> 10 <sup>9</sup> (>10 <sup>9</sup> )

\* Tested according to UL94 specification

-The technical specification data is based on SEM tests and analysis that we believe to be reliable. However, in no event, shall SEM be liable for inaccuracies or omissions contained therein. In all cases, details and values should be verified by the customer

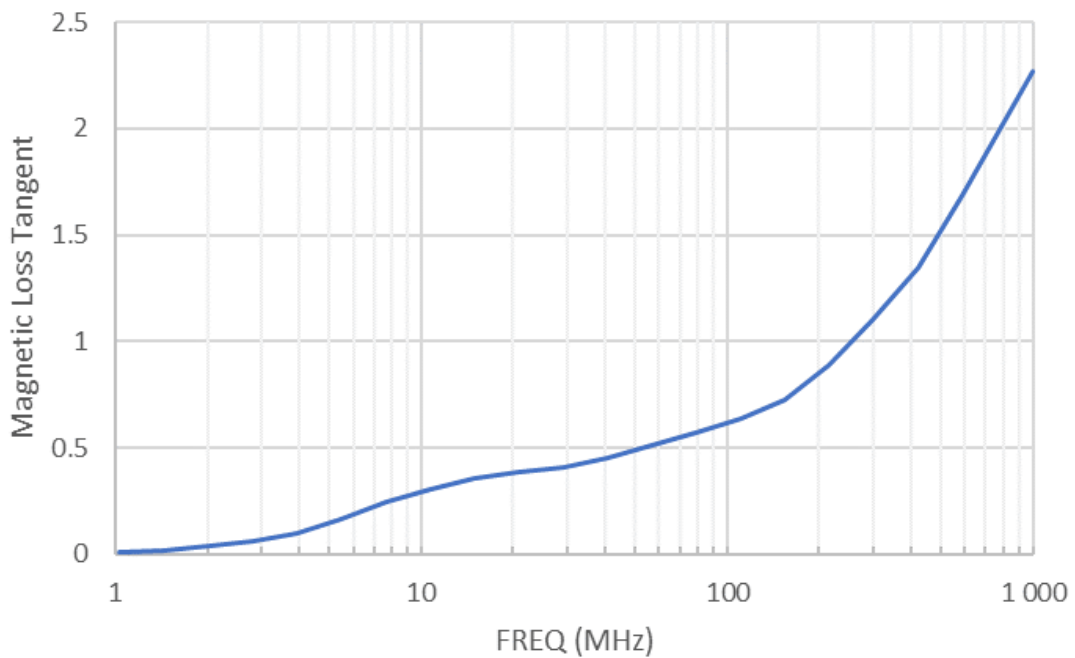
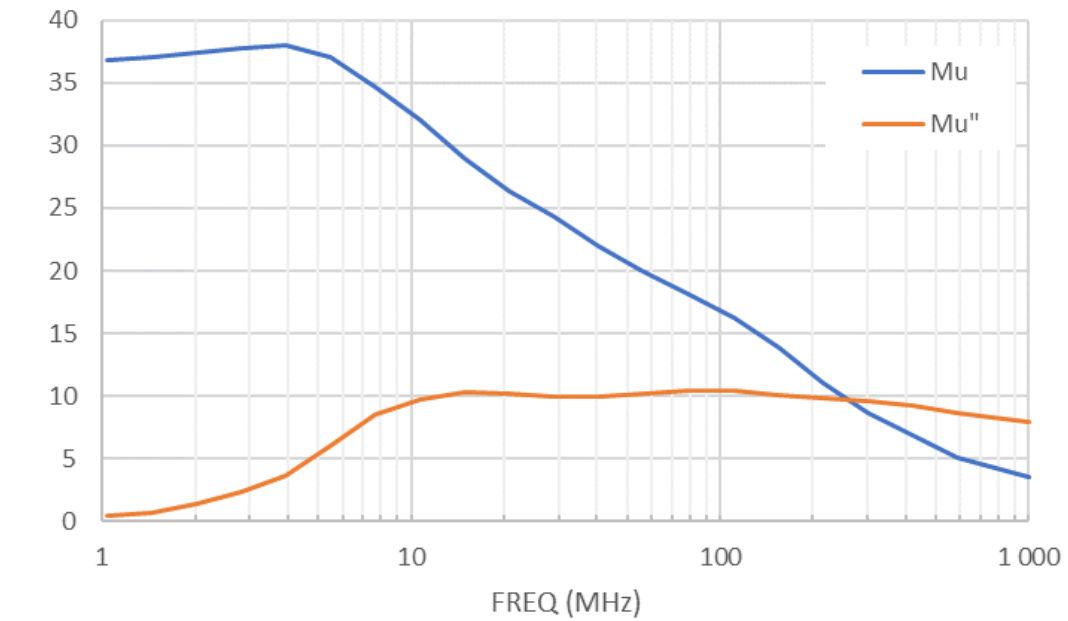
-UL is a registered trademark of Underwriters Laboratories, Inc.,

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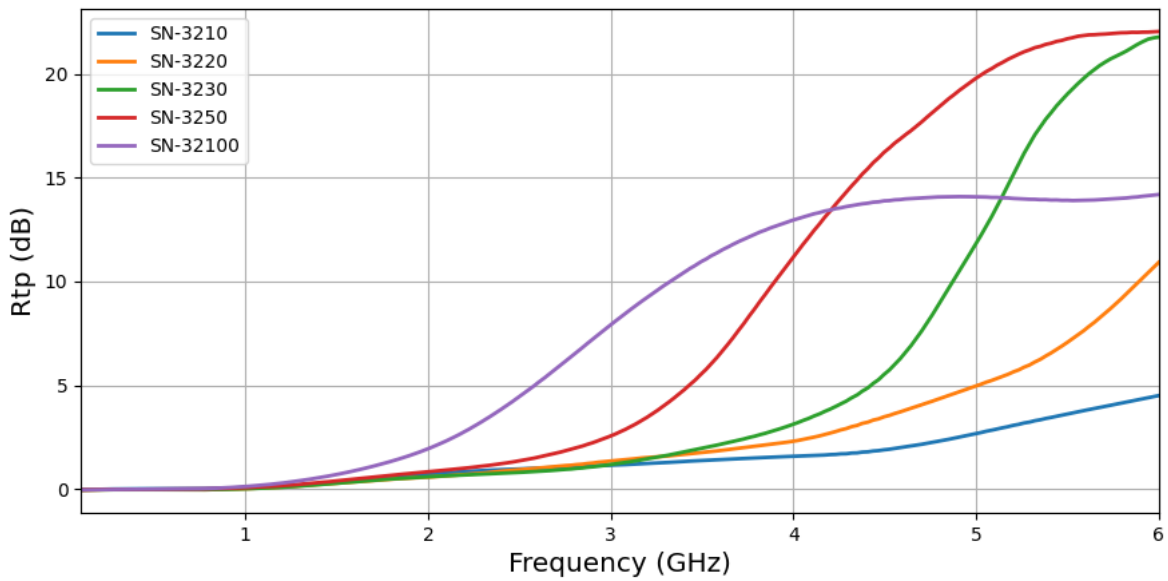
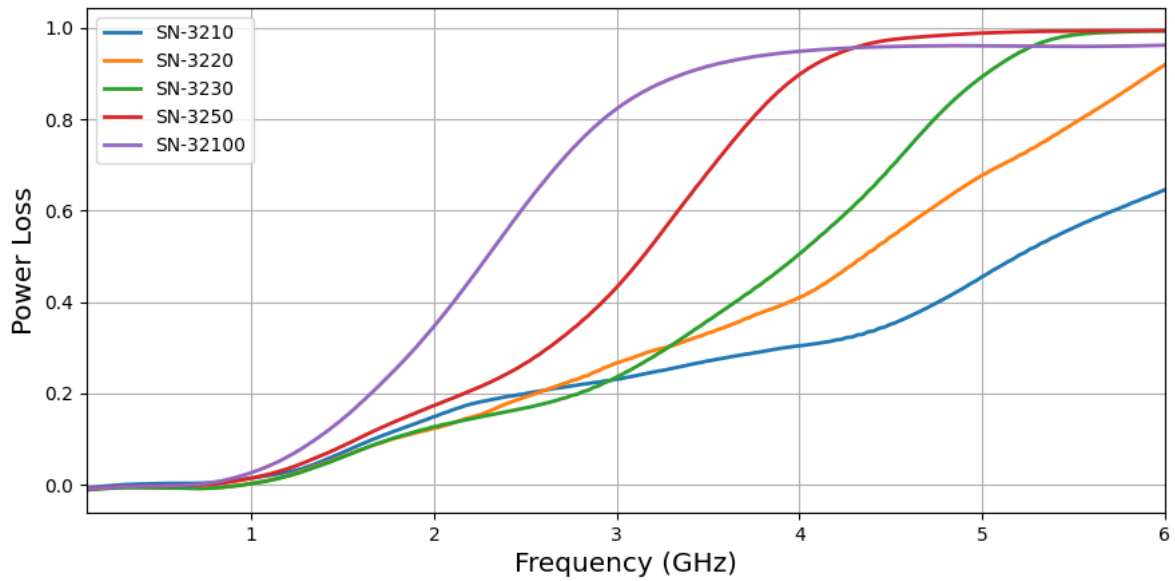
**Electromagnetic Properties**



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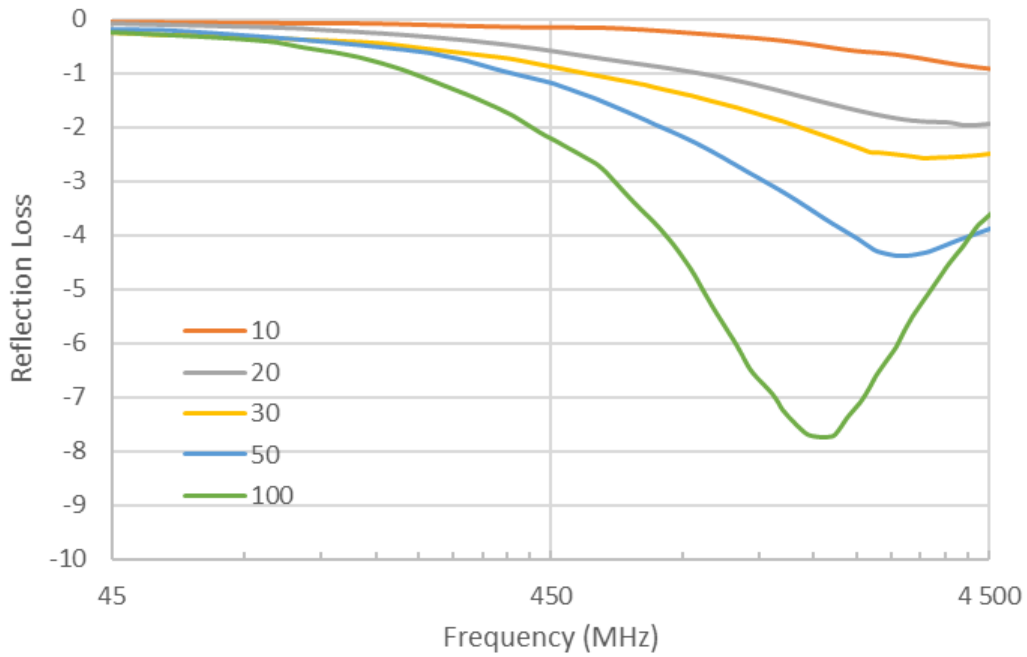


Power Loss and Transmission Attenuation Power Ratio (Rtp) measured with IEC 62333 transmission loss line.

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Reflection Loss measured with coaxial line.

**Part number system example**

SN-            32                    50                    -                    A  
 Product name   Mu@1MHz            thickness (0.5 mm)            PSA (blank: No PSA)

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