NoiseSorb NS1000HTRC

EMI Noise Suppression Absorber



EMI NOISE SUPPRESSION ABSORBER:

NoiseSorb NS1000HTRC is a thin near field noise suppression absorber with excellent temperature stability. Product with 0.1mm thickness can sustain standard reflow process, which make it possible to be used with one piece shielding can for EMI control in electronic devices. The absorber has high magnetic permeability and high working temperature. It's used to suppress unwanted energy coupling, resonances or surface currents causing EMI issues and mitigate the impact to RF components nearby.

FEATURES AND BENEFITS

- Reflow compliance
- High temperature stability
- High magnetic permeability
- RoHS compliant
- Flammability rating

MARKETS

- Automotive
- Networking equipment
- Medical equipment
- Tablet/smartphone

SPECIFICATIONS

ITEM	UNIT	TYPICAL VALUE
Initial permeability @1MHz		150
Effective frequency range		20MHz to 3GHz
Surface resistivity	Ω/cm^2	$>10^6$
Operation Temperature	℃	-40 - 125
Thickness	mm	0.1/0.2/0.3/0.4/0.5
Flame retardancy		UL94 V0 (Pending)
Hazardous Substance		Compliant with RoHS (Directive 2011/65/EU)
Shelf Life		12 months at 23℃/60% R.H.

Note: Data for design engineer guidance only. Observed performance varies in application. Engineers are reminded to verify the material in application

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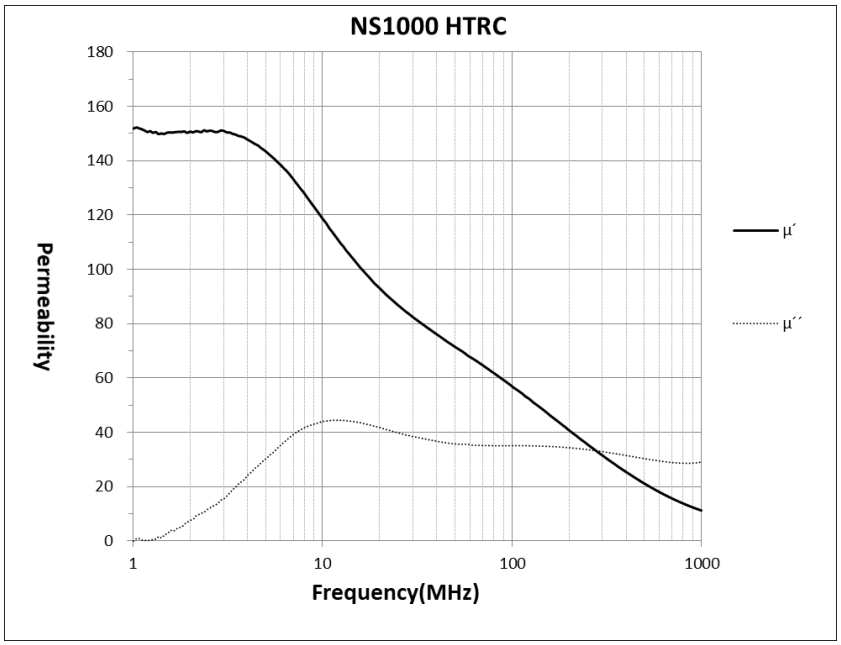
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APPLICATIONS

- NoiseSorb NS1000HTRC can be attached to one piece shielding can then go though SMT process. It has proven to be effective in damping resonances and reducing surface current.
- The product can also 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.
- It can also be applied to high-speed transmission line; LCD displays and circuit board elements that are radiating energy and causing EMI issues.

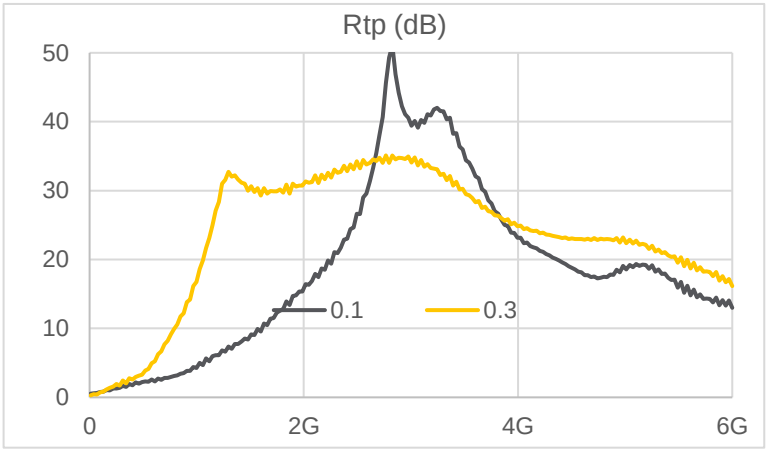
PERMEABILITY

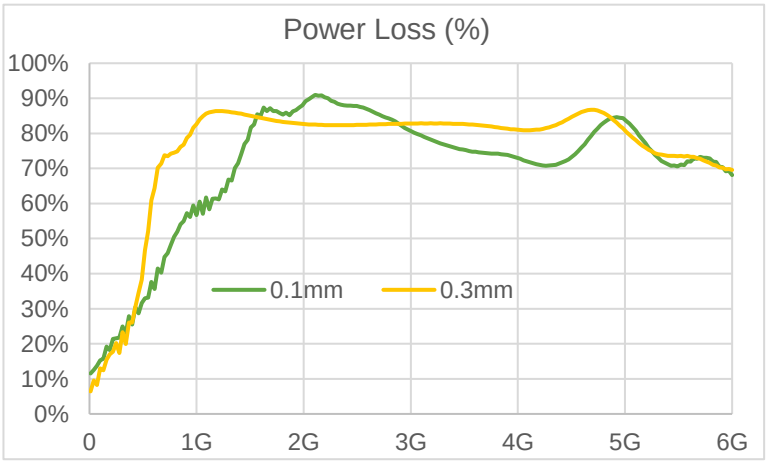


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AVAILABILITY

- NS1000HTRC is available in standard size 295mmx210mm.
- NS1000HTRC can be supplied with or without PSA.
- Lamination with metal foil or protective film possible upon request.

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