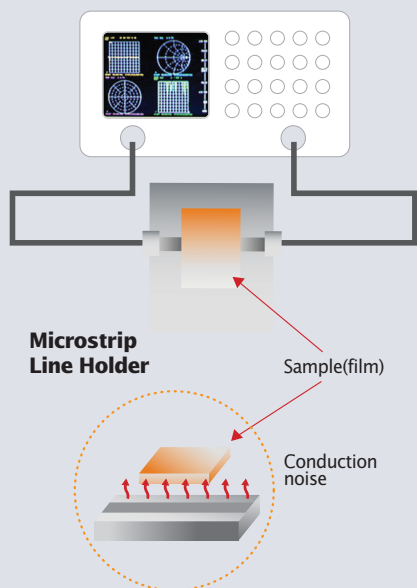
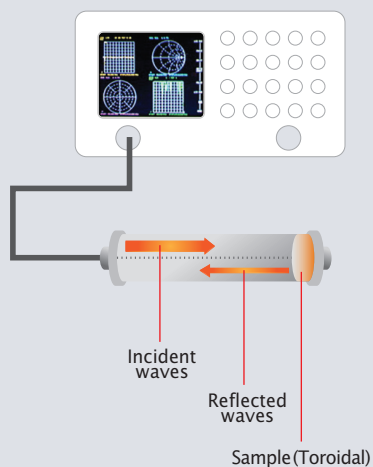


METHOD OF MEASURING ABSORPTION

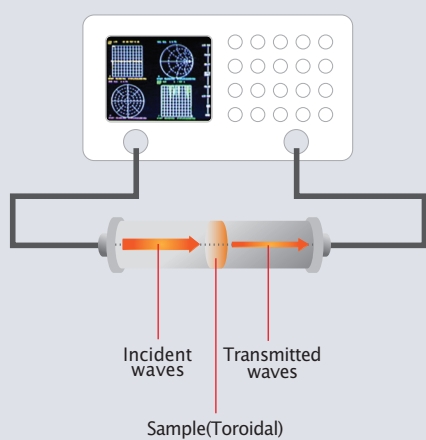
Power Loss on Micro Strip Line



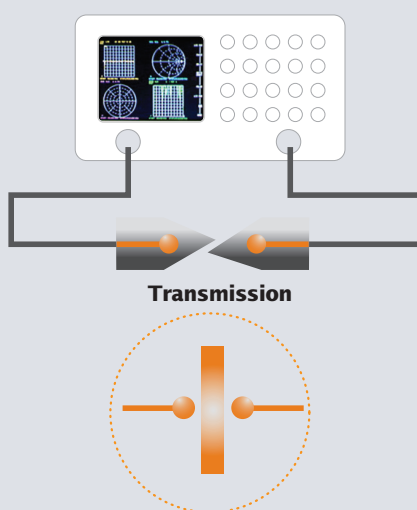
Reflection Loss in Wave Guide

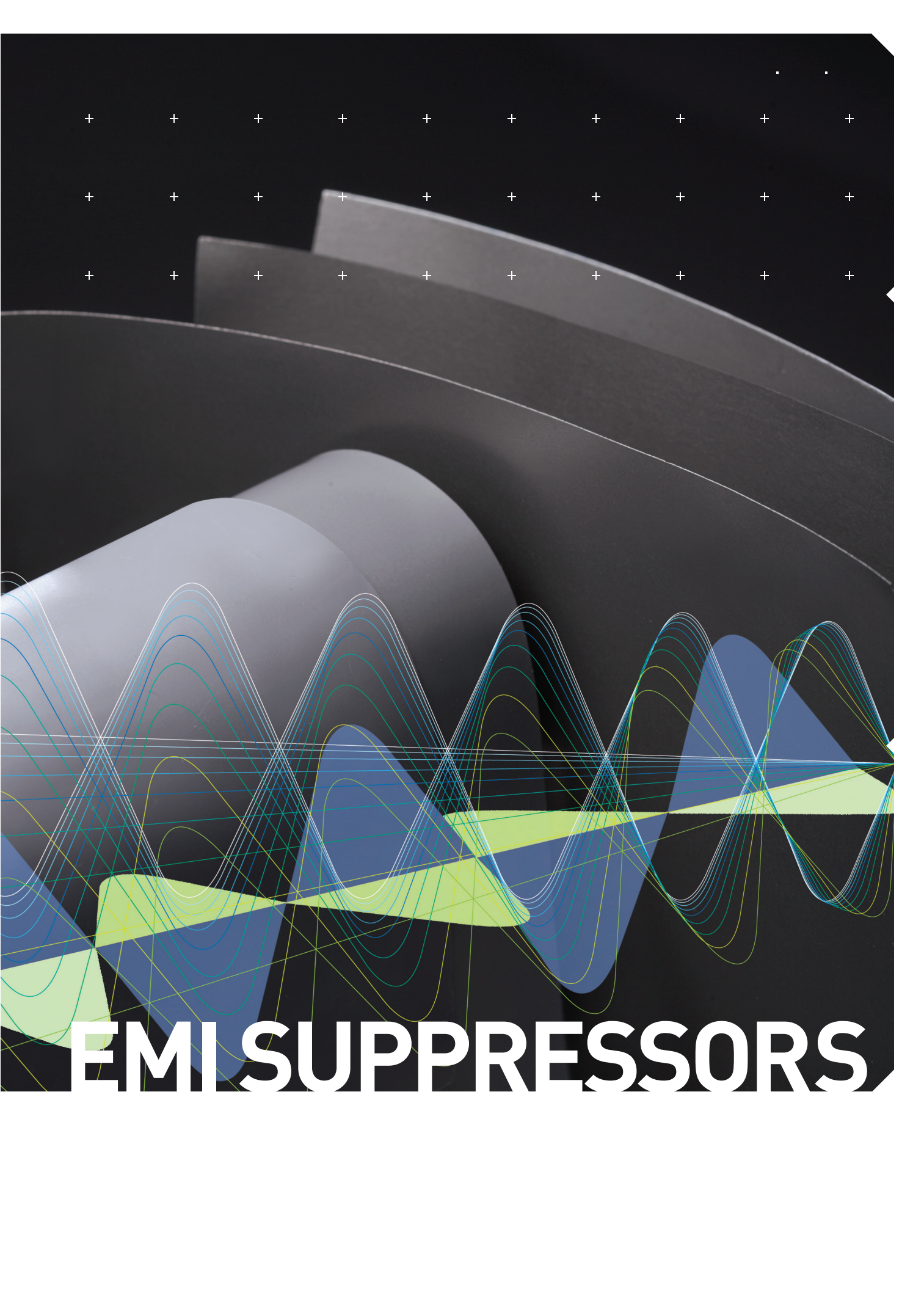


Transmission Loss in Wave Guide



Power Loss in Micro Loop Antenna

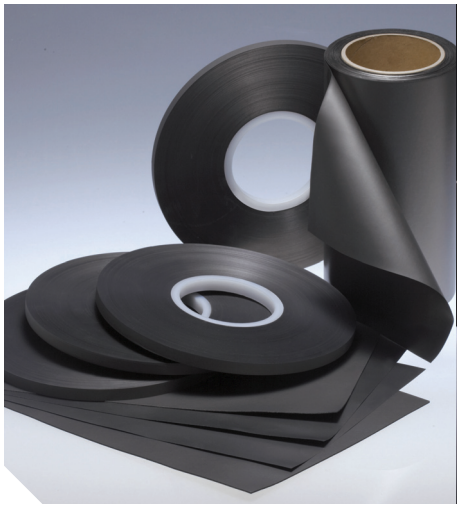




EMI SUPPRESSORS

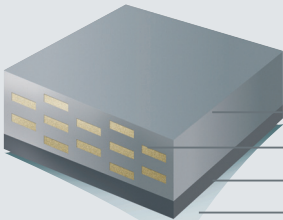
EMI SUPPRESSORS

The NS Series, made of magnetic materials, effectively eliminates electric noise.



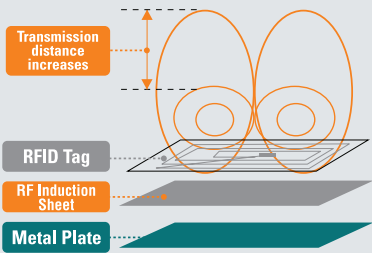
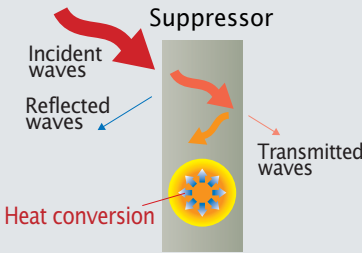
FEATURES

- + Thin film type
- + Multi functional film (Reflecting+ Suppression)
- + Excellent absorbing ability
- + Outstanding electrical insulation



Flexible Rubber
Magnetic Metal Powder
Adhesive Layer
Release Paper

PRINCIPLE



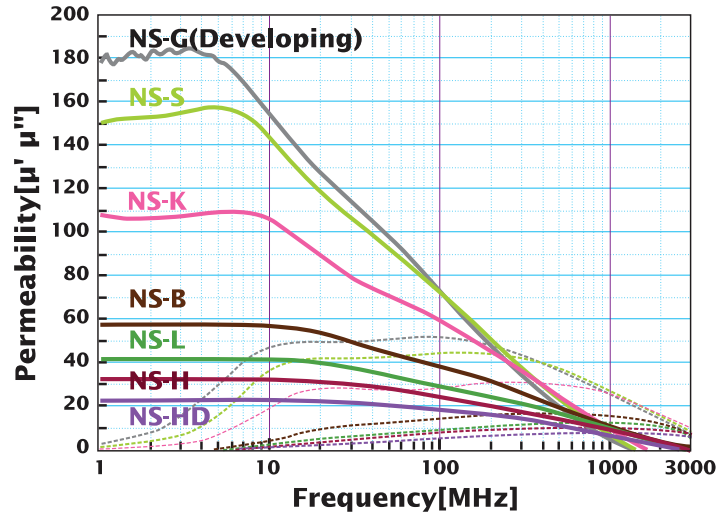
SPECIFICATIONS

Test Items	EMI Suppressor Sheet 						EMI Suppressor Film					Multi Function	RF Induction Sheet		
	NS - HD	NS - H	NS - L	NS - B	NS - K	NS - S	NS - F	NS - FK	NS - FS	NS - FA	NS - FAL	TM-S/H	NS-R40	NS-R25H	NS-R25
Permeability (μ')	25	30	45	60	100	150	20	50	90	20	45	10	40	25	25
Applicable Frequency	500MHz ~ 6GHz		300MHz ~ 6GHz	100MHz ~ 6GHz	10MHz ~ 6GHz		100MHz ~ 6GHz					13.56MHz			
Use Temp (°C)	-25 ~ 105						-25 ~ 85					-40 ~ 140	-25 ~ 85		
Standard Thickness (mm)	0.1, 0.2, 0.3, 0.5, 1.0			0.05, 0.1, 0.2, 0.3, 0.5			0.05, 0.1	0.1	0.03	0.05, 0.1	0.05, 0.07	0.2 ~ 3.0	0.1, 0.2, 0.3		
Standard Size (mm x mm)	210 x 15M roll		210 x 297				300 x 100M roll					210 x 297	210x297	210x10M	210 x 297
Volume Resistivity ($\Omega \cdot m$)	1 x 10 ⁸											1 x 10 ¹²	1 x 10 ⁸		
Remarks	High Freq.  Low Freq.						High Freq.	Low Freq.	Low Freq.	Reflecting	Low Freq.	1.5~2.0 W/mK	13.56MHz RFID		

EMI Suppressor Sheets

- NS-S
- NS-K
- NS-B
- NS-L
- NS-H
- NS-HD
- Mobile phones
- Digital cameras
- Camcorders
- Computers
- LCD TVs

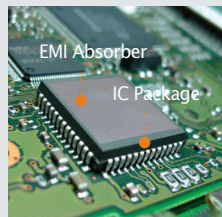
PERMEABILITY GRAPH



EMI Suppressor Films

- NS-F
- NS-FK
- NS-FS
- NS-FA
- NS-FAL
- High Frequency signal cables
- Flexible PCBS
- Mobile / SMART Phones

APPLICATIONS



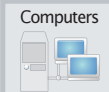
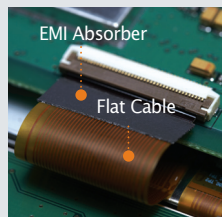
Mobile Phones

- + Noise Suppression at FPC between LCD circuit and main board
- + Radiation noise suppression in camera modules (CCD)
- + SAR Attenuation in antennas



Camcorders

- + Radiation noise suppression from CCD
- + Prevention of malfunction in PCB circuits



Computers

- + Noise suppression in IC packages
- + Noise suppression in Flat cables
- + Noise suppression in CPUs



Displays

- + EMI Attenuation
- + Prevention of radiation noise in housing case

RF Induction Sheets

- NS-R40 / R25H / RF25
- RFID metal tag antennas for 13.56 MHz (Between antenna and metal)
- Wireless Chargers



M - Commerce

- + M-Commerce
- + NFC (Near Field Communication)
- + Wireless Chargers

