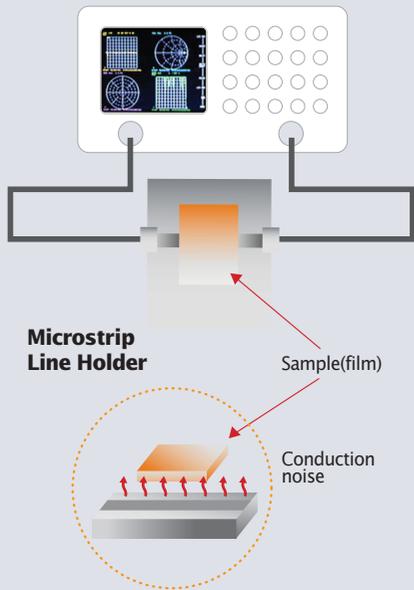
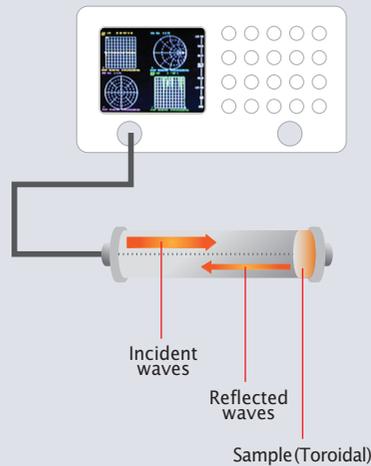


METHOD OF MEASURING ABSORPTION

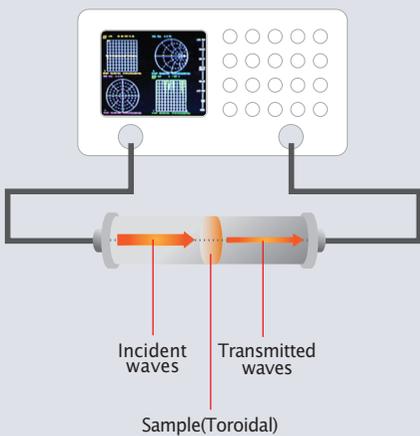
Power Loss on Micro Strip Line



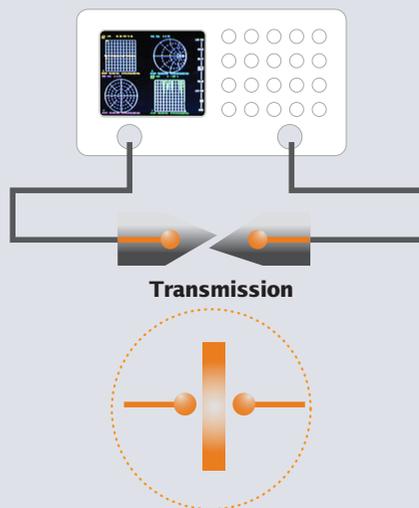
Reflection Loss in Wave Guide

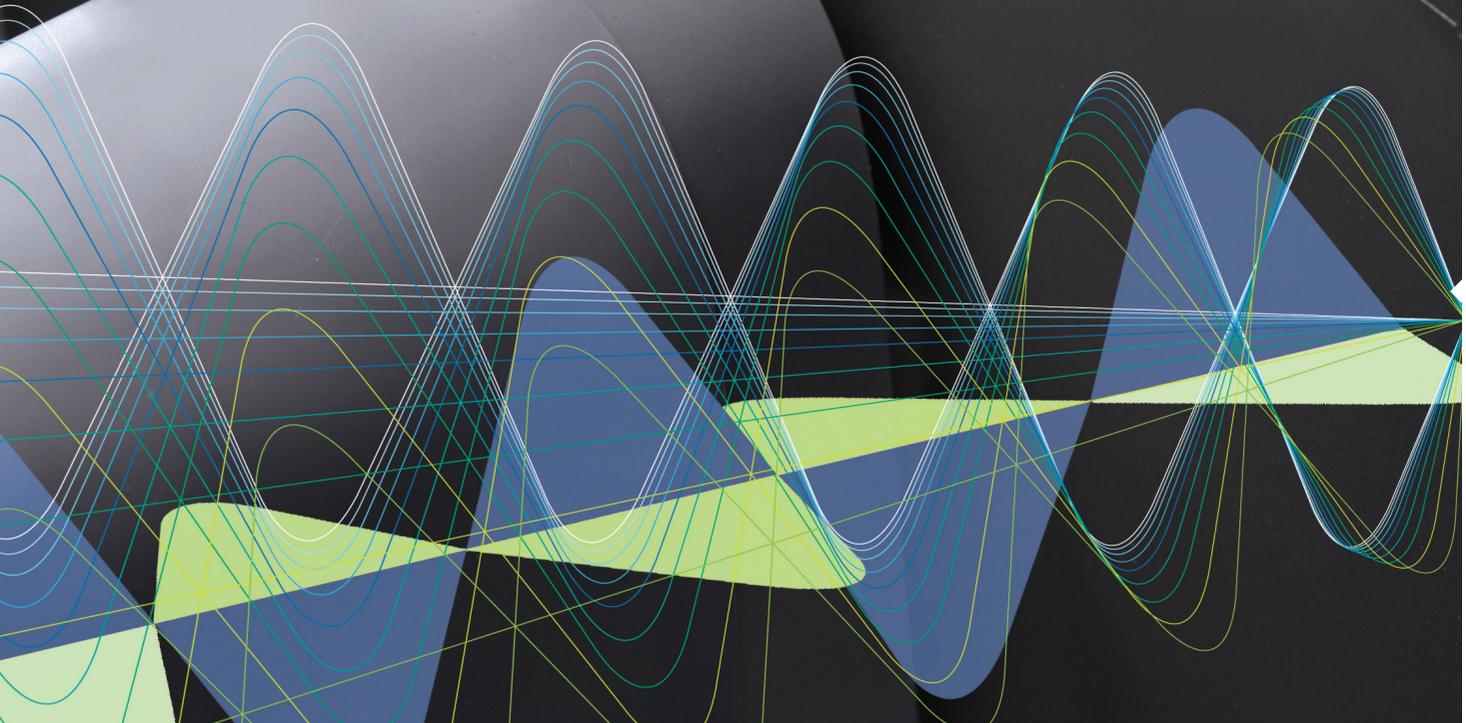


Transmission Loss in Wave Guide



Power Loss in Micro Loop Antenna





EMI SUPPRESSORS

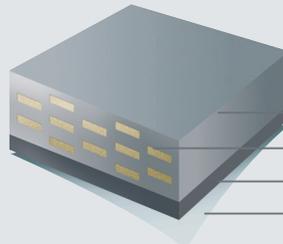
EMI SUPPRESSORS

The NS Series, made of magnetic materials developed exclusively by Donghyun Electronics, effectively eliminates electric noise.



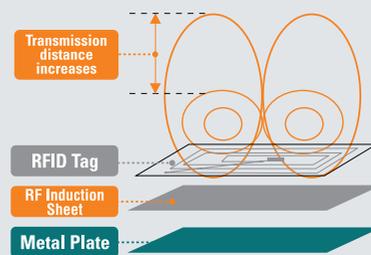
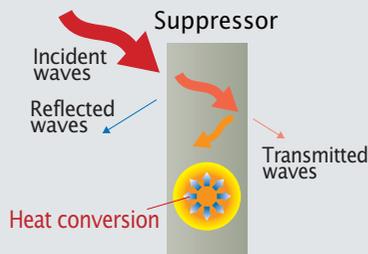
FEATURES

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



Flexible Rubber
Magnetic Metal Powder
Adhesive Layer
Release Paper

PRINCIPLE

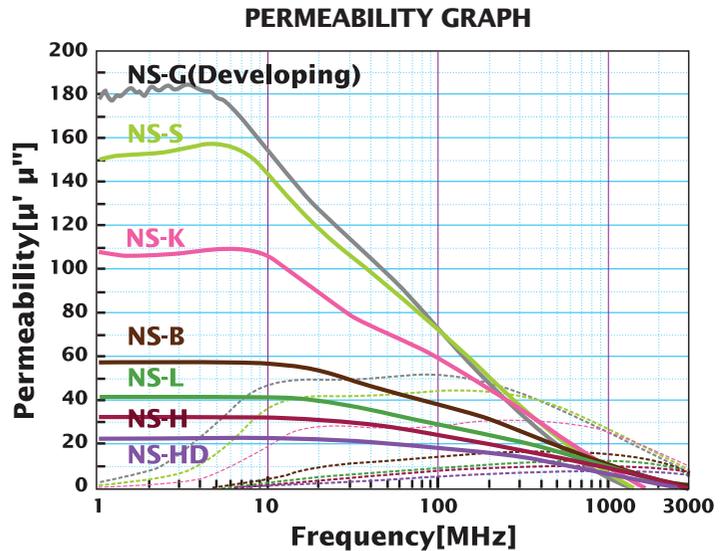


SPECIFICATIONS

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	210 x 297	210 x 10M	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



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
- Camcorders

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



- Computers
- Displays

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

