

CSC THERMAL CONDUCTIVE EMI ABSORBING PAD

NS-T Series

Description & Applications

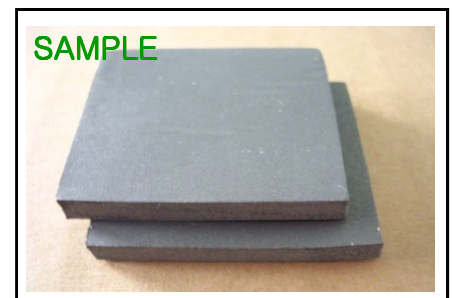
NS-T grade is designed as a high thermal conductive and EMI absorbing materials. The high thermal conductivity and EMI absorbing properties allows the pads to apply to various electronic mobile devices, specially suitable for high frequency image transferring digital instruments.

- Camcorders, Digital Cameras
- PDP, LCD devices
- Mobile Phones, DVDs



Main Features

- Thermal conductivity = 2.0 ~ 3.0 W/mK
- High thermal performance
- Power loss = 0.1~0.4 (@ 1 GHz/1 mm(T))
- Electrically insulating



Specifications

ITEM	NS-T2	NS-T3	METHOD ITEM
Mechanical			
Color	Black	Gray	Visual
Thickness (mm)	0.1 ~ 5.0	0.1 ~ 5.0	ASTM D374
Density (g/cc)	3.3	2.8	ASTM D792
Hardness (Shore A)	92	92	ASTM D2240
Tensile Strength (kgf/cm ²)	13.2	16.5	ASTM D412
Use Temp. (°C)	-40 ~ 130	-40 ~ 130	-
Electrical			
Dielectric Breakdown Voltage (V)	> 6,000	> 6,000	ASTM D149
Volume Resistivity (Ω · cm)	10 ¹¹	10 ¹¹	ASTM D257
Thermal & EMI			
Thermal Conductivity (W/mK)	2.5	3.0	ASTM C518-98 (Modified)
Power loss (@ 1 GHz/1 mm(T))	0.40	0.15	Microstripline
Flame Rating (UL94)	V-0	V-0	File No. E258204

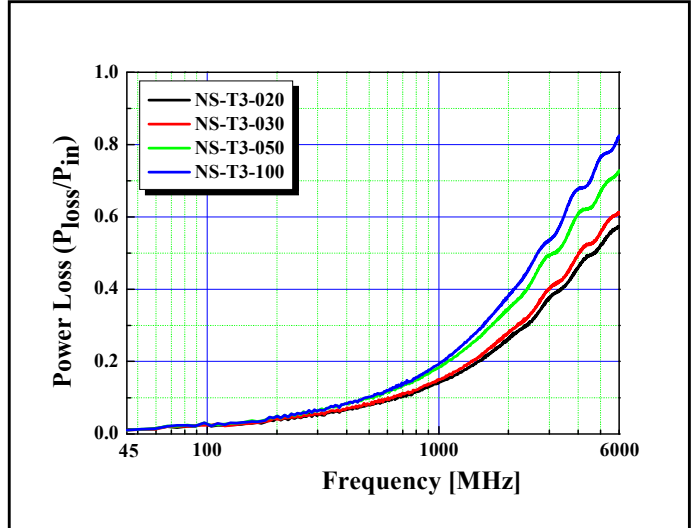
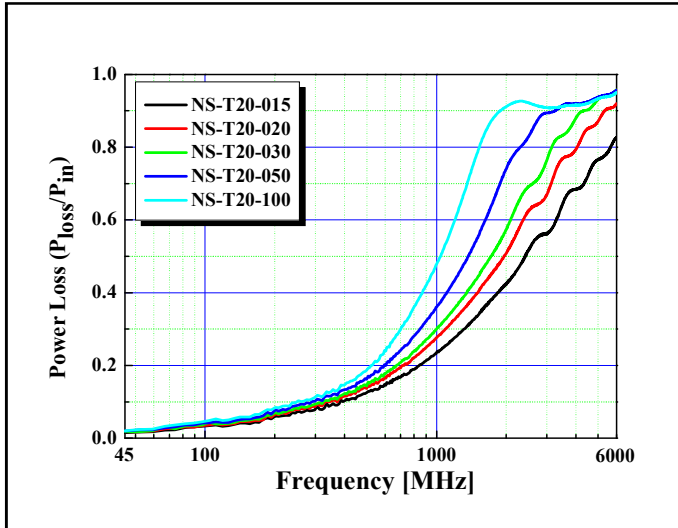
※ siloxane free products

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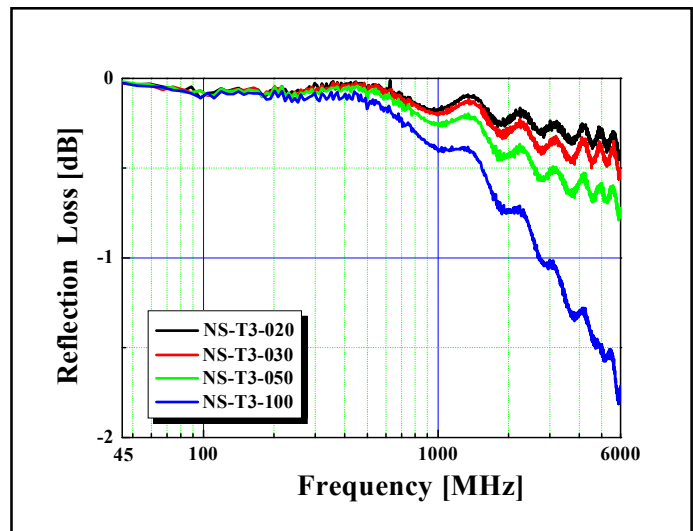
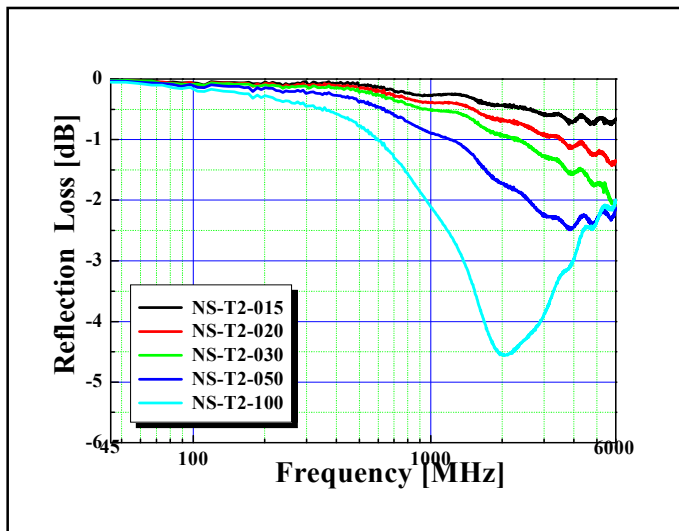
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EMI Absorbing Properties

■ Power Loss (by Microstripline Method)



■ Reflection Loss (by 39D-Method)



※ Instrument : HP Network Analyzer PNA 8364A