

# Narrowband Flexible Absorbent Material (FAM-N)

## Description :

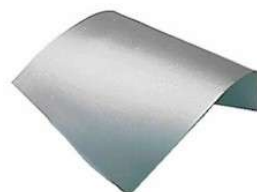
Narrowband Flexible Absorbent Material (**FAM-N**) is a thin, flexible and single frequency tuned EMI / RFI / Microwave absorber material. It can be cut any shape easily, freely arranged in space and provide effective EMI suppression for specific narrow frequency band from **1GHz to 18GHz**. It is suitable to obtain a **narrowband** reflection loss when perpendicular incident energy on metal background.

## Features :

- Ultra thin and extremely flexible
- Can be freely arranged in space
- Single frequency tuned absorber material
- Can be cut any shape easily
- For specific narrow frequency band for 1 - 18GHz
- Reduce the eddy current on metal surface
- Reduce Cavity Resonance Effects
- Reduce antenna crosstalk
- Effective in preventing resonance
- Effective in preventing suppressing coupling
- Easy and fast to process

## Applications :

- Digital Products
- Wireless equipments
- Shielding Box / Dark Box
- RCS (radar cross section) reduction
- Satellite LNB (Low Noise Block)
- Parabolic antenna / Horn antenna

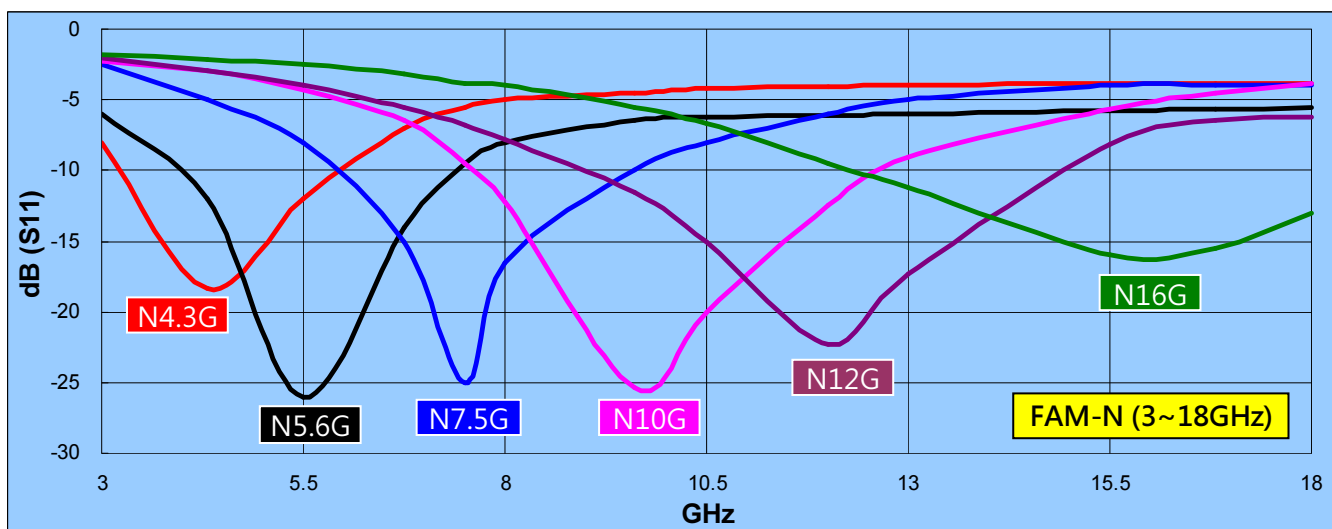
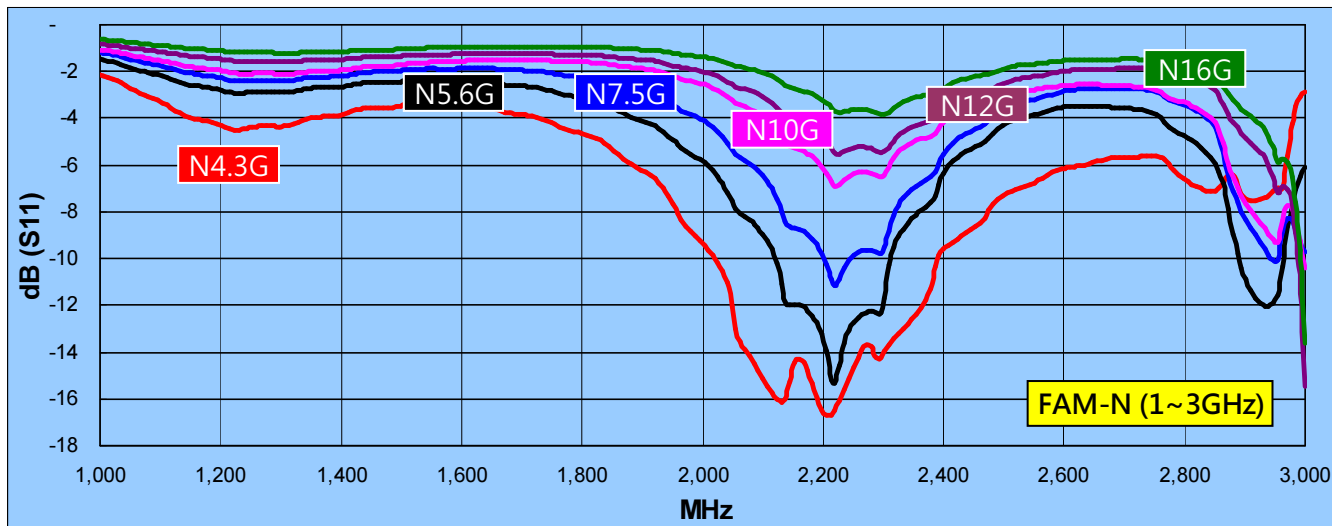


## Characteristics :

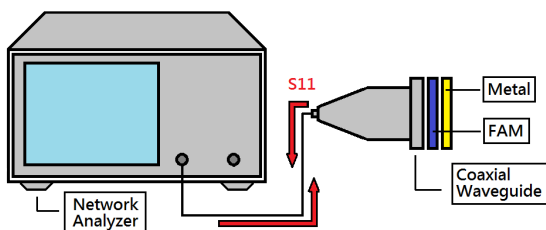
Property	FAM-N4.3G	FAM-N5.6G	FAM-N7.5G	FAM-N10G	FAM-N12G	FAM-N16G
dB Max Freq.	4.3 GHz	5.6 GHz	7.5 GHz	10 GHz	12 GHz	16 GHz
Max dB	18 dB	26 dB	25 dB	25 dB	22 dB	15.5 dB
Thickness	3.0 mm	2.5 mm	2.0 mm	1.5 mm	1.3 mm	1.0 mm
Max. Dimension	300 x 300 mm					
Operating Temperature	-40 ~ +110 °C					
Volume Resistivity	10 <sup>11</sup> Ohm-cm					
Density	3.8 g/cm <sup>3</sup>					
RoHS 2.0 Compliance	2011/65/EU					
Hologen-Free	No					

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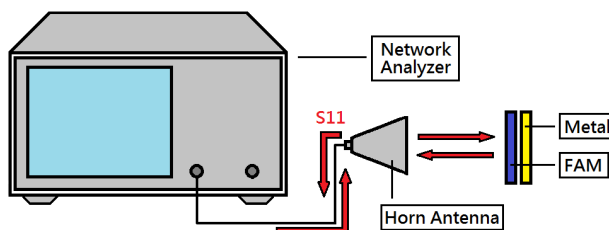
Return loss :



Measurement Method (1~3GHz)



Measurement Method (3~18GHz)



• Above test data is only for reference, not for specification data.