

# Broadband Flexible Absorbent Material (FAM-B)

## Description :

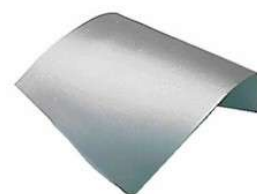
Broadband Flexible Absorbent Material (**FAM-B**) is a thin, flexible and broadband EMI / RFI / Microwave absorber material. It can be cut any shape easily, freely arranged in space and provide effective EMI suppression in wide frequency range from **5GHz to 40GHz**. It is suitable to obtain a **broadband** reflection loss when perpendicular incident energy on metal background.

## Features :

- Ultra thin and extremely flexible
- Can be freely arranged in space
- Broadband absorber material
- Can be cut any shape easily
- Wide frequency range from 5 to 40GHz
- 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

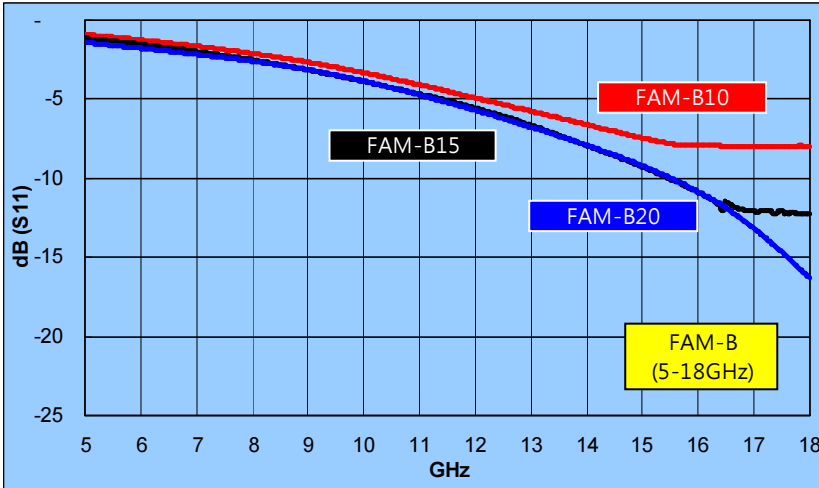


## Characteristics :

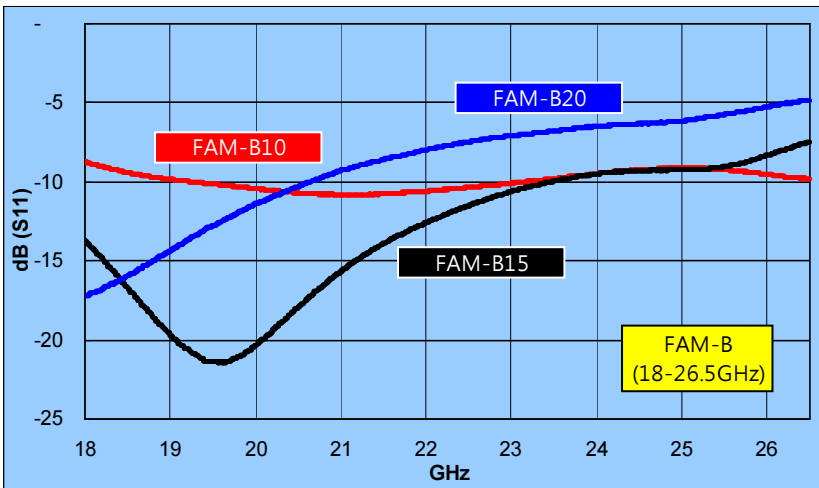
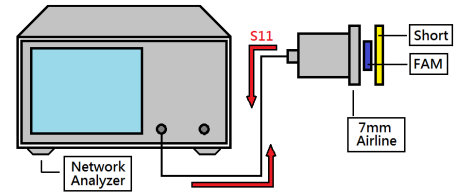
Property	FAM-B10	FAM-B15	FAM-B20
Thickness	1.0 mm	1.5 mm	2.0 mm
Max. Dimension	210 x 297 mm (A4 Size)		
Operating Temperature	-40 ~ +150 °C		
Volume Resistivity	10 <sup>8</sup> Ohm-cm		
Density	3.0 g/cm <sup>3</sup>	2.2 g/cm <sup>3</sup>	2.0 g/cm <sup>3</sup>
RoHS 2.0 Compliance	2011/65/EU		
Hologen-Free	Yes		

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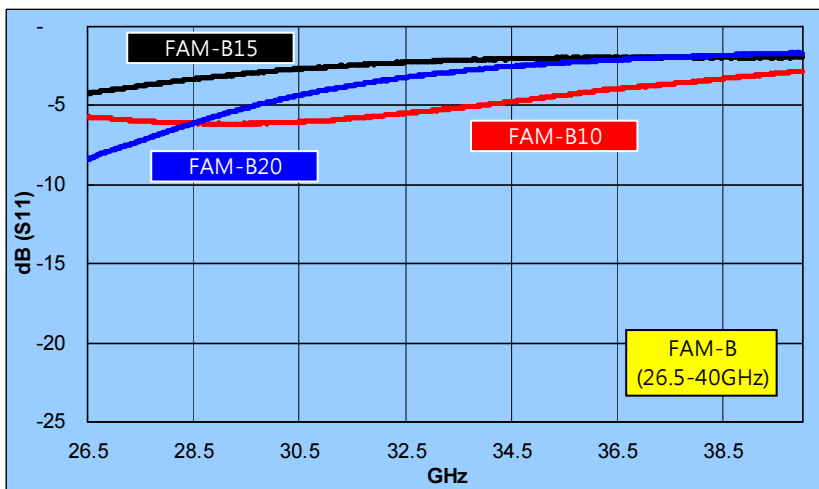
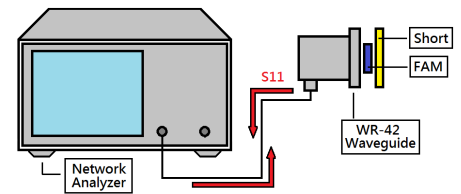
Return loss :



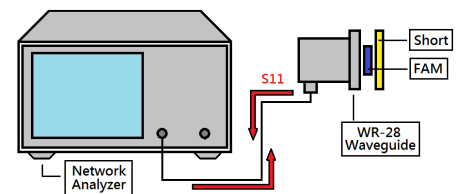
Measurement Method (5-18GHz)



Measurement Method (18-26.5GHz)



Measurement Method (26.5-40GHz)



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

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