

TEMPERATURE
RANGE -40/+125ROHS
COMPLIANTHALOGEN
FREEMERCURY
FREE

FFAM Series

Flexible Ferrite Absorbent Material Commercial Applications

Features and Benefits

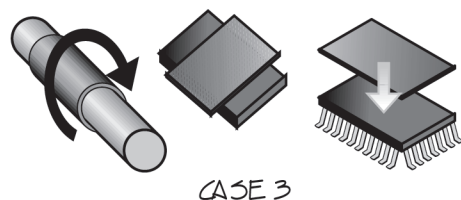
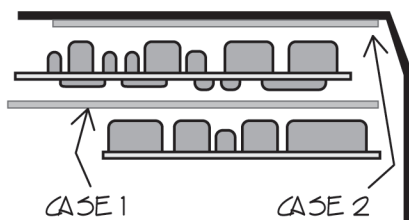
- Provides effective EMI Suppression in a wide Frequency Range (1MHz to 3GHz).
- Highly effective in preventing resonance and suppressing coupling.
- Change the magnetic flux path to avoid interference other components.
- Ultra thin (0.25mm through 2.5mm) and extremely flexible, can be freely arranged in space.
- High surface resistance (10^6 to 10^8 Ohms).
- Non-conductive adhesive backing (UL Recognized) available.
- Can be easily cut in any shape.

Uses

Case 1: To suppress noise generated between circuit boards, apply between boards.

Case 2: To suppress noise generated by casing, apply directly to casing.

Case 3: To suppress unwanted radiation of noises from LSI, IC and cables. For LSI & IC, apply directly to top surface (Caution - thermal conductivity). For flat cables, apply directly. For round cables, wrap around and apply heatshrink material.



Applications

- Notebook and personal computers, workstations.
- Peripheral devices for computers.
- Anechoic chambers (irregular surface).
- LNB's for satellite systems.
- Wireless equipment.
- Mobile communications equipment.
- Mobile phones.
- Base stations.
- Consumer electronics.
- Gasketing.
- High speed clocks.

Parameters

Operating Temperature Range -40°C to +85°C

Testing

Impedance Testing using HP4191A.

Dimensions

Thicknesses Available (with MH13008 UL Recognized tape)

	Inches	Millimeters
FFAM025	0.009	0.25
FFAM06	0.024	0.60
FFAM10	0.039	1.00
FFAM15	0.059	1.50
FFAM20	0.079	2.00
FFAM25	0.098	2.50

Sizes Available

Inches	Millimeters
3.93 x 3.93	100 x 100
7.87 x 7.87	200 x 200
11.81 x 11.81	300 x 300
15.75 x 15.75	400 x 400



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ROHS
COMPLIANT



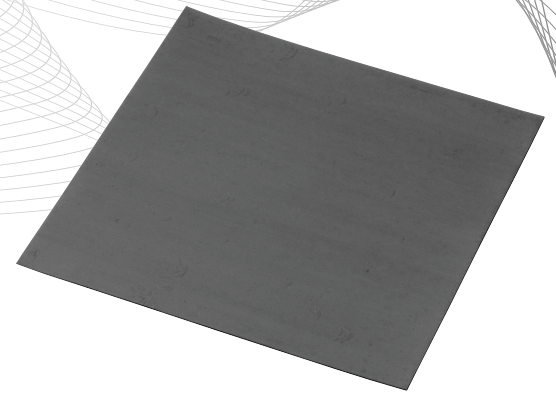
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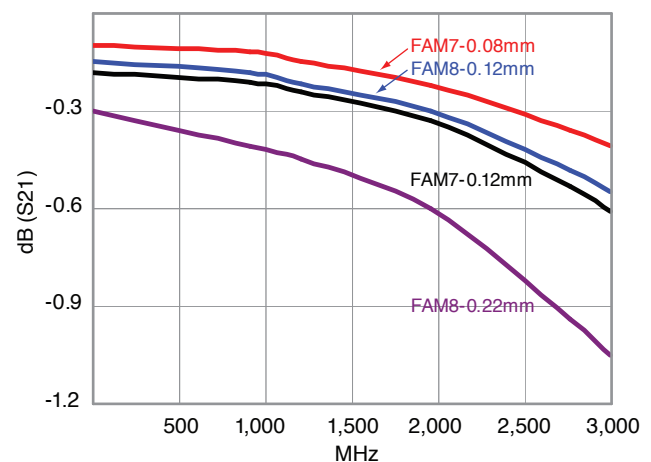
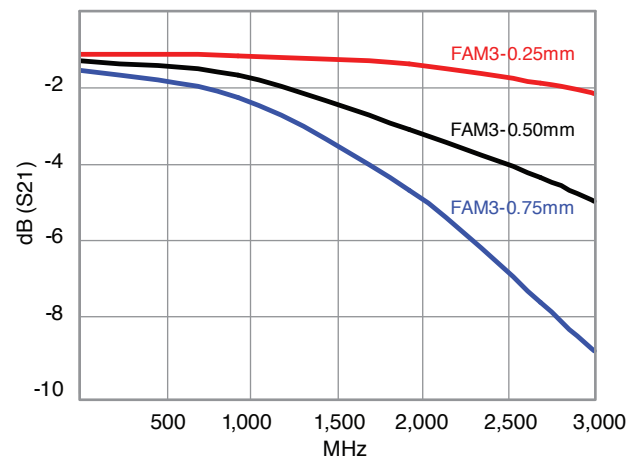
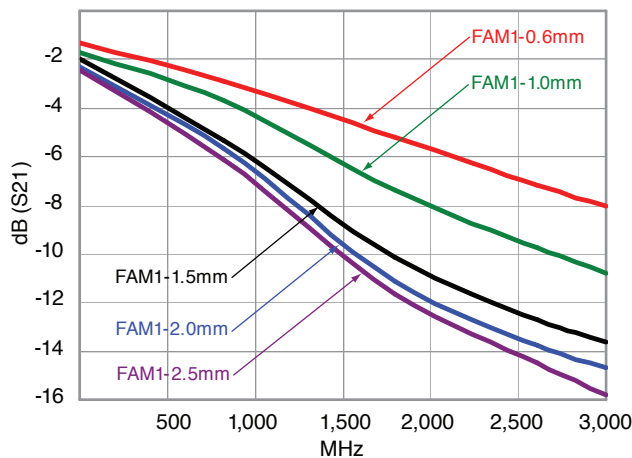
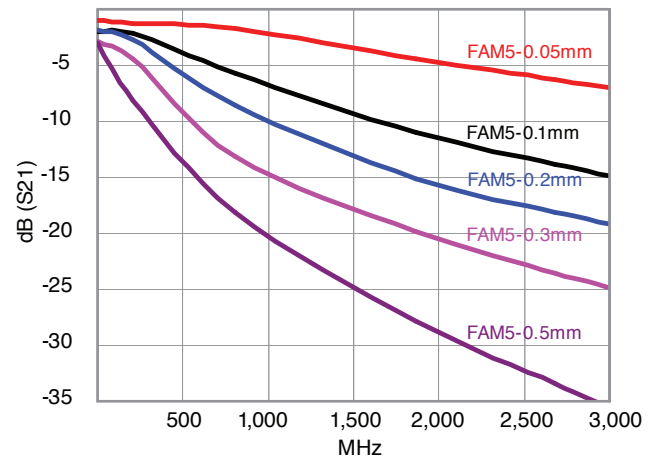
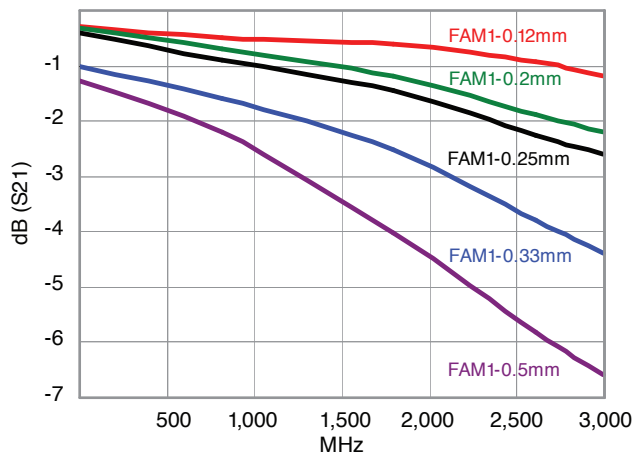
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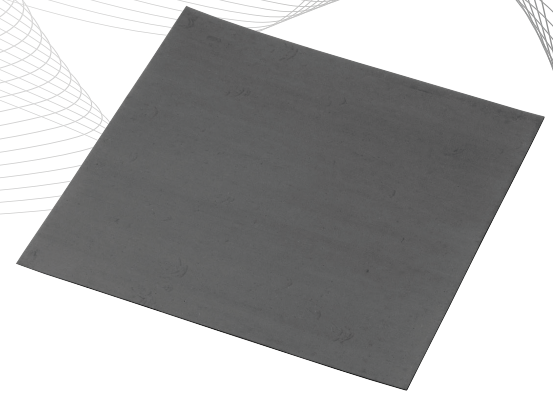
Insertion Loss



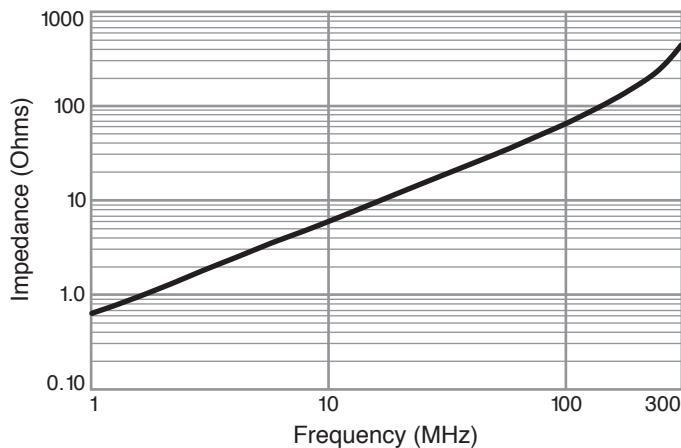
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Impedance vs. Frequency



FREQ.	FFAM025	FFAM06	FFAM10	FFAM15	FFAM20	FFAM25
1	0.52	0.57	0.57	0.59	0.59	0.60
10	5.30	5.30	6.00	6.00	6.00	0.60
20	12.00	12.00	12.00	12.00	12.00	12.00
30	17.00	17.00	17.00	17.00	17.00	18.00
40	23.00	23.00	23.00	23.00	23.00	24.00
50	26.00	28.00	29.00	29.00	29.00	30.00
60	35.00	35.00	35.00	35.00	35.00	36.00
70	41.00	41.00	41.00	41.00	42.00	43.00
80	47.00	47.00	47.00	48.00	48.00	49.00
90	54.00	54.00	54.00	54.00	55.00	56.00
100	55.00	58.00	60.00	61.00	62.00	63.00
200	135.00	144.00	150.00	154.00	155.00	159.00
300	303.00	349.00	370.00	395.00	396.00	412.00

How To Order

FFAM

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Material Thickness

025 = 0.25 mm
06 = 0.6 mm
10 = 1.0 mm
15 = 1.5 mm
20 = 2.0 mm
25 = 2.5 mm

3

Sheet Size

1 = 100x100 mm
2 = 200x200 mm
3 = 300x300 mm
4 = 400x400 mm

T1

Optional Adhesive Backing

T1 = single-sided
T2 = double-sided