



# FFAM Series

## Flexible Ferrite Absorbent Material

### Commercial Applications

#### Features and Benefits

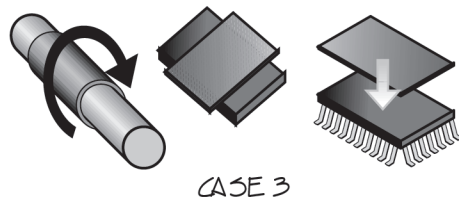
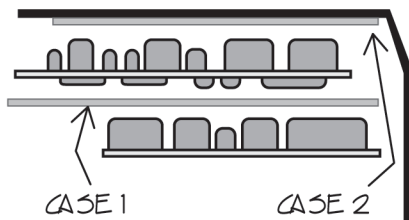
- Provides effective EMI Suppression in a wide Frequency Range (1MHz to 3GHz).
- Highly effective in preventing resonance and suppressing coupling.
- Change the magnetic flux path to avoid interference other components.
- Ultra thin (0.25mm through 2.5mm) and extremely flexible, can be freely arranged 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        |

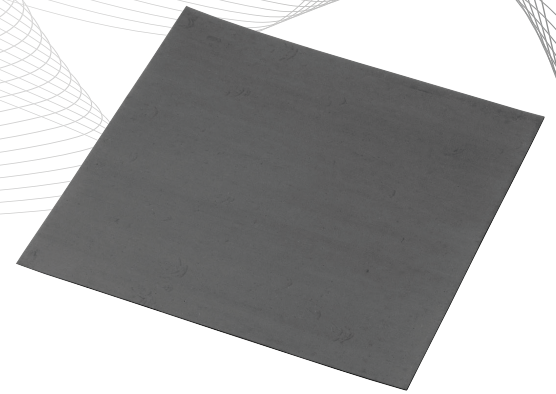
Sizes Available

| 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   |

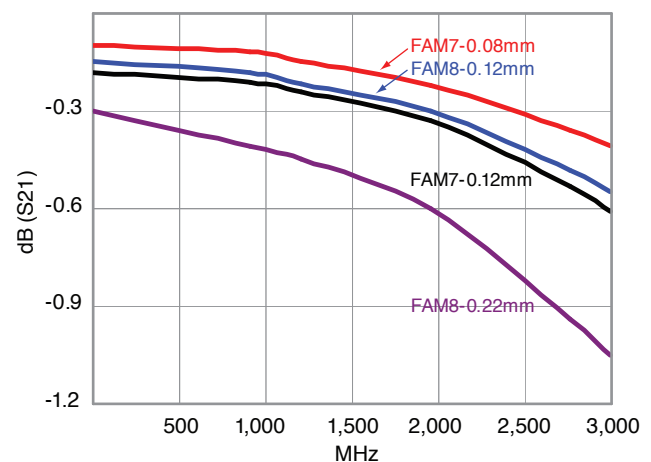
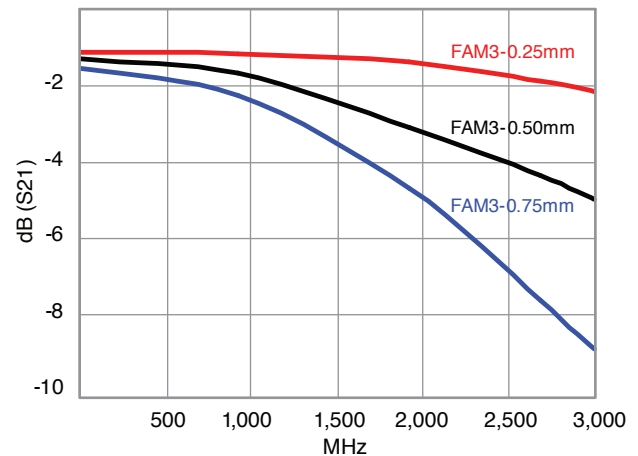
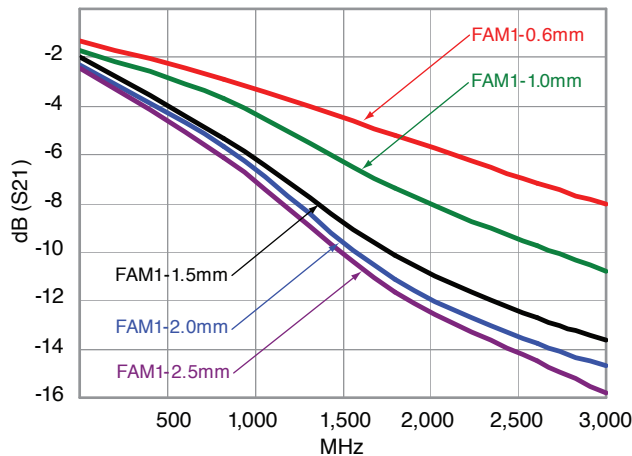
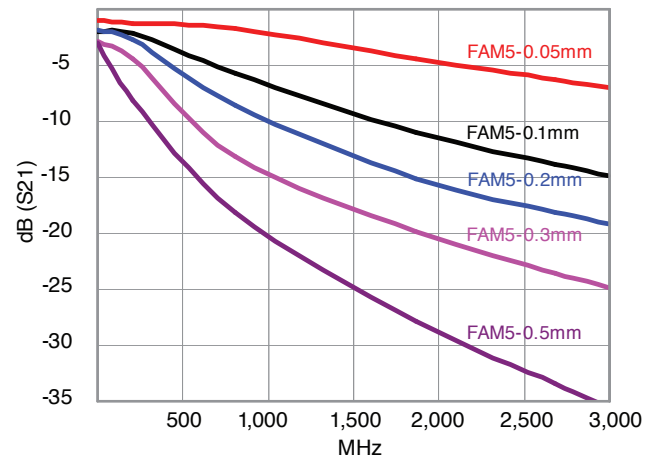
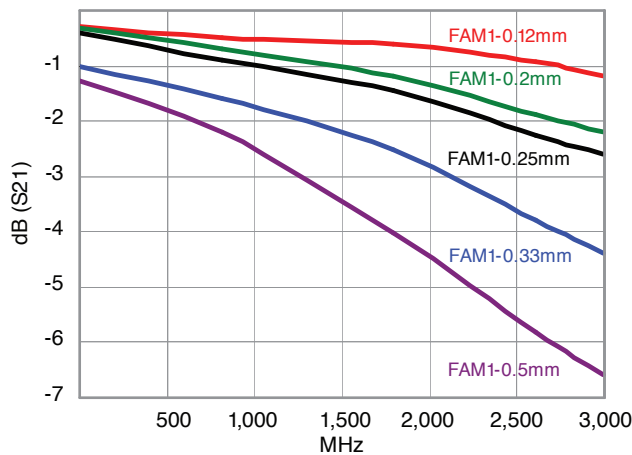


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Commercial Applications



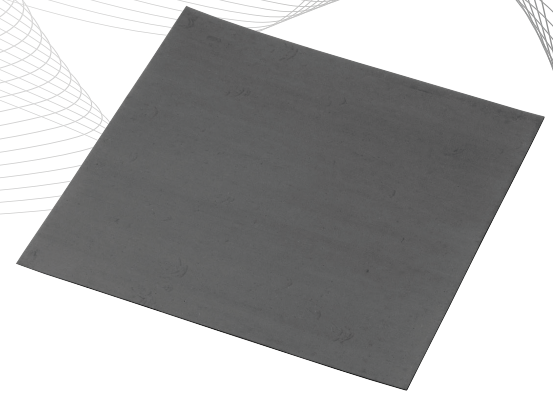
## Insertion Loss



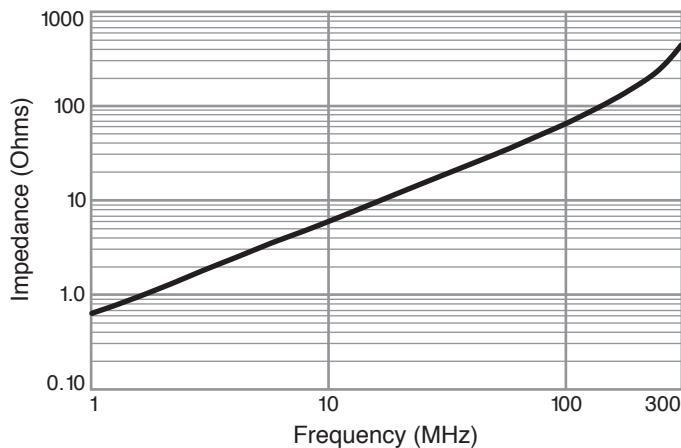
TEMPERATURE  
RANGE -40/+125ROHS  
COMPLIANTHALOGEN  
FREEMERCURY  
FREE

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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

Delevan Series

### 06

#### 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

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Delevan:

| <a href="#"><u>FFAM025 1*1T</u></a> | <a href="#"><u>FFAM025 2*2</u></a>  | <a href="#"><u>FFAM025 2*2T</u></a> | <a href="#"><u>FFAM025 3*3</u></a> | <a href="#"><u>FFAM025 3*3T</u></a> | <a href="#"><u>FFAM025 4*4</u></a> | <a href="#"><u>FFAM025 4*4T</u></a> |                                      |
|-------------------------------------|-------------------------------------|-------------------------------------|------------------------------------|-------------------------------------|------------------------------------|-------------------------------------|--------------------------------------|
| <a href="#"><u>FFAM06 1*1</u></a>   | <a href="#"><u>FFAM06 1*1T</u></a>  | <a href="#"><u>FFAM06 2*2</u></a>   | <a href="#"><u>FFAM06 2*2T</u></a> | <a href="#"><u>FFAM06 3*3</u></a>   | <a href="#"><u>FFAM06 3*3T</u></a> | <a href="#"><u>FFAM06 4*4</u></a>   | <a href="#"><u>FFAM06 4*4T</u></a>   |
| <a href="#"><u>FFAM10 1*1</u></a>   | <a href="#"><u>FFAM10 1*1T</u></a>  | <a href="#"><u>FFAM10 2*2</u></a>   | <a href="#"><u>FFAM10 2*2T</u></a> | <a href="#"><u>FFAM10 3*3</u></a>   | <a href="#"><u>FFAM10 3*3T</u></a> | <a href="#"><u>FFAM10 4*4</u></a>   | <a href="#"><u>FFAM10 4*4T</u></a>   |
| <a href="#"><u>FFAM15 1*1</u></a>   | <a href="#"><u>FFAM15 1*1T</u></a>  | <a href="#"><u>FFAM15 2*2</u></a>   | <a href="#"><u>FFAM15 2*2T</u></a> | <a href="#"><u>FFAM15 3*3</u></a>   | <a href="#"><u>FFAM15 3*3T</u></a> | <a href="#"><u>FFAM15 4*4</u></a>   | <a href="#"><u>FFAM15 4*4T</u></a>   |
| <a href="#"><u>FFAM20 1*1</u></a>   | <a href="#"><u>FFAM20 1*1T</u></a>  | <a href="#"><u>FFAM20 2*2</u></a>   | <a href="#"><u>FFAM20 2*2T</u></a> | <a href="#"><u>FFAM20 3*3</u></a>   | <a href="#"><u>FFAM20 3*3T</u></a> | <a href="#"><u>FFAM20 4*4</u></a>   | <a href="#"><u>FFAM20 4*4T</u></a>   |
| <a href="#"><u>FFAM25 1*1</u></a>   | <a href="#"><u>FFAM25 1*1T1</u></a> | <a href="#"><u>FFAM25 2*2</u></a>   | <a href="#"><u>FFAM25 2*2T</u></a> | <a href="#"><u>FFAM25 3*3</u></a>   | <a href="#"><u>FFAM25 3*3T</u></a> | <a href="#"><u>FFAM25 4*4</u></a>   | <a href="#"><u>FFAM025 4*4T1</u></a> |