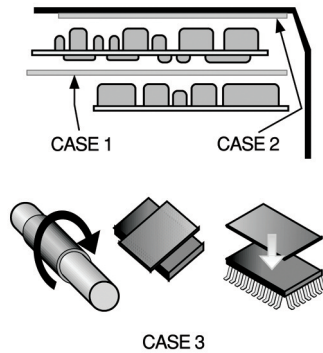


# FFAM SERIES



## Flexible Ferrite Absorbent Material



### Wide Variety of 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.

### Features

- Provides effective EMI suppression in a wide frequency range (10 MHz to 3 GHz)
- Effective in preventing resonance and suppressing coupling
- Ultra thin (0.25mm through 2.5mm)
- High electrical resistance ( $10^6$  to  $10^8$  Ohms)
- Non-conductive adhesive backing (UL Recognized) available on one or both sides
- Easy and fast to process
- Extremely flexible

### 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

### Ordering Note (Part Numbering Callout)

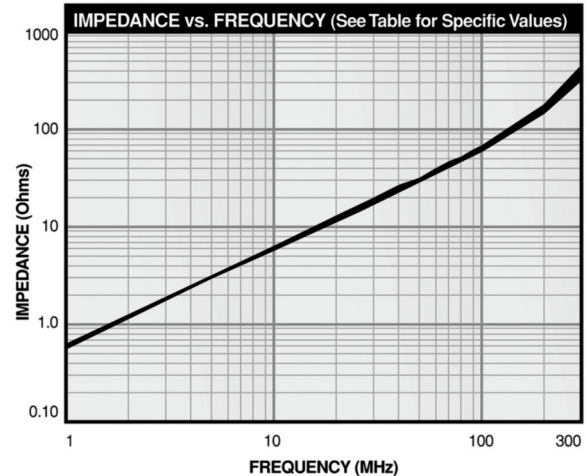
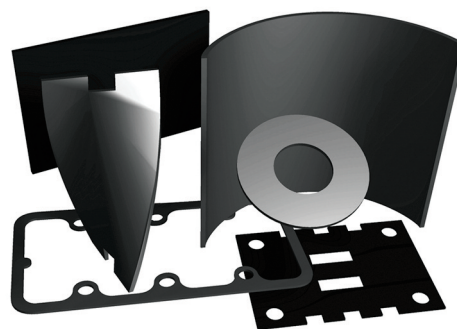
FFAM 06 3\*3 T1

Optional Adhesive Backing (1 = single-sided -or- 2 = double-sided)

Sheet Size (in mm - 3\*3 = 300mm x 300mm square)

Material Thickness (in mm - decimal point to the right of 1st character is assumed)

Series Designation - Flexible ferrite absorbent material



| IMPEDANCE vs. FREQUENCY TABLE |         |        |        |        |        |        |
|-------------------------------|---------|--------|--------|--------|--------|--------|
| FREQ.                         | FFAM025 | FFAM06 | FFAM10 | FFAM15 | FFAM20 | FFAM25 |
| 1                             | 0.52    | 0.57   | 0.57   | 0.59   | 0.59   | 0.60   |
| 10                            | 5.3     | 5.3    | 6      | 6      | 6      | 0.60   |
| 20                            | 12      | 12     | 12     | 12     | 12     | 12     |
| 30                            | 17      | 17     | 17     | 17     | 17     | 18     |
| 40                            | 23      | 23     | 23     | 23     | 23     | 24     |
| 50                            | 26      | 28     | 29     | 29     | 29     | 30     |
| 60                            | 35      | 35     | 35     | 35     | 35     | 36     |
| 70                            | 41      | 41     | 41     | 41     | 42     | 43     |
| 80                            | 47      | 47     | 47     | 48     | 48     | 49     |
| 90                            | 54      | 54     | 54     | 54     | 55     | 56     |
| 100                           | 55      | 58     | 60     | 61     | 62     | 63     |
| 200                           | 135     | 144    | 150    | 154    | 155    | 159    |
| 300                           | 303     | 349    | 370    | 395    | 396    | 412    |

### Impedance Measurement using HP4191A

### Physical Parameters

#### Available Sizes

| 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   |

#### Thicknesses available

(with MH13008 UL Recognized tape)

|         | Inches | Millimeters |
|---------|--------|-------------|
| FFAM025 | 0.009  | 0.25        |
| FFAM06  | 0.024  | 0.6         |
| FFAM10  | 0.039  | 1.0         |
| FFAM15  | 0.059  | 1.5         |
| FFAM20  | 0.079  | 2.0         |
| FFAM25  | 0.098  | 2.5         |

### Operating Temperature Range

-55°C to +125°C