



FAM3

Flexible Absorbant Material

Version 2.240919



Flexible Absorbant Material

FAM3 is a flexible EMI absorber which also has excellent thermal conductivity. This product can be used to suppress EMI issues over a wide range of frequencies whilst simultaneously transferring heat away from a hot spot. FAM3 can be supplied in a number of different formats ranging from standard sheets to custom die cuts for ease of manufacture.

Features

- Provide effective EMI suppression over a wide frequency range (10MHz to 18GHz)
- Ultra-thin and extremely flexible, can be easily fitted to a wide range of form-factors
- UL approved non-conductive adhesive backing available as an option
- Highly effective in preventing resonance and suppressing coupling
- High surface resistance (10^6 ohms)
- Manufacturing friendly solution
- Can be cut to any shape

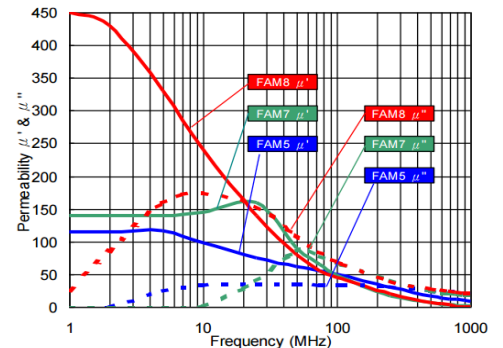
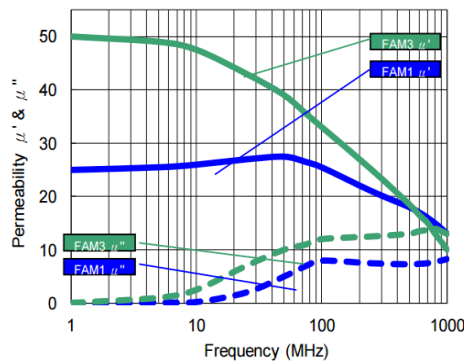
Applications

- Notebooks, PCs, workstations LNBS for satellite systems
- Mobile communications equipment
- Base stations for mobile phones and handsets Peripheral devices for computers
- Wireless equipment Mobile phones
- High speed clocks and timing devices
- RFID (Radio Frequency Identification) systems NFC (Near field communication) systems
- Wireless chargers

Properties

- ✓ REACH Compliant
- ✓ ROHS Compliant

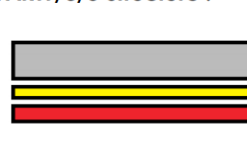
Property	FAM3	Unit	Test Method
Operating Temperature	-40 to 85	°C	-
Applicable Frequency	0.001 to 18.0	GHz	-
Thickness Range	0.25/0.50/0.75	mm	-
Max. Dimension	400 X 400	mm	-
Surface Resistance	10^6	ohm	ASTM D257
Density	4.8	g/cm ³	ASTM D792
RoHS Compliance 2002/95/EC	Yes	-	-
Halogen-Free	No	-	-



T-Global Technology Limited
1 & 2 Cosford Business Park, Central Park,
Lutterworth, Leicestershire LE17 4QU U.K.

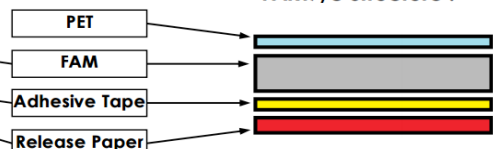
Tel: +44 (0)1455 553 510
Email: sales@tglobaltechnology.com
Web: www.tglobaltechnology.com
VAT #: GB 116 662 714

FAM1/3/5 Structure :



* Allow none/one/two sides adhesive tape.

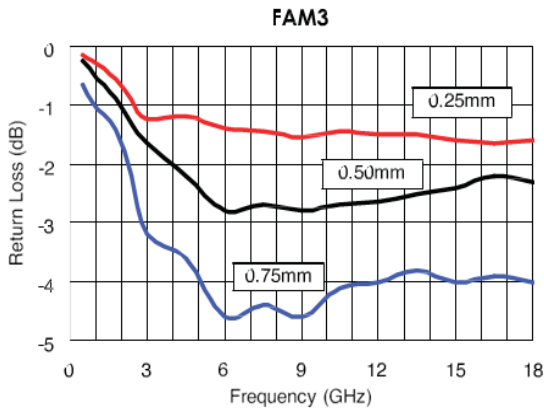
FAM7/8 Structure :



* Allow one side PET and one side adhesive tape or two sides adhesive tape



FAM3 Flexible Absorbant Material



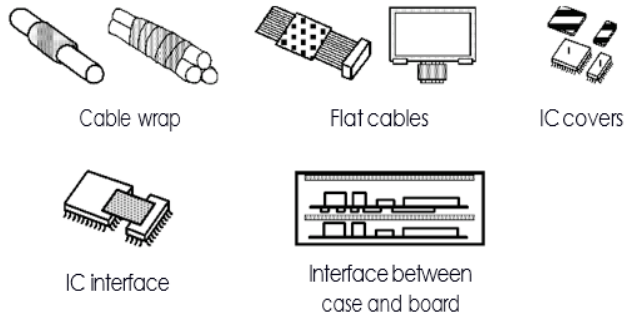
Standard Weights & Dimensional Tolerance

Size	Thickness (mm)	Weight (gr)		
		0.25	0.50	0.75
100x100	0.25	10.00	24.00	36.00
	0.50	40.00	96.00	144.00
	0.75	160.00	384.00	576.00

* All measurements in weights are in gr
 ** All sizes are in mm

Die-Cut Thickness Tolerances	Thickness (mm)	Tolerance (mm)
	0.3	±0.03
	0.5	±0.05
	0.8	±0.08
	1.0	±0.1
	1.2	±0.12
	1.5	±0.15
	2.0	±0.2
	2.5 - 3.5	±0.25
	4.0 - 4.5	±0.3
	5.0	±0.35
	6.0 - 8.0	±0.4
	9.0	±0.45
10.0	±0.5	
>10.0	±0.5	

Sheet Shape Examples



* Data for design engineer guidance only. Observed performance varies in application. Engineers are reminded to test the material in application.

NOTICE: The information contained herein is to the best of our knowledge true and accurate. However, since the varied conditions of potential use are beyond our control, all recommendations or suggestions are presented without guarantee or responsibility on our part and users should make their own test to determine the suitability of our products in any specific situation. This product is sold without warranty either expressed or implied, of fitness for a particular purpose or otherwise, except that this product shall be of standard quality, and except to the extent otherwise stated in T-Global Technology Europe and North America's invoice, quotation, or order acknowledgment. We disclaim any and all liabilities incurred in connection with the use of information contained herein, or otherwise. All risks of such are assumed by the user. Furthermore, nothing contained herein shall be construed as a recommendation to use any process or to manufacture or to use any product in conflict with existing or future patents covering any product or material or its use.