

DIAMOND
MICROWAVE
CHAMBERS LTD



FERRITE TILES

- » Premium Quality
Excellent Performance in
Low Frequency

FOR EMC CHAMBERS

////// www.dmc rf.com

Precision machined ferrite tiles and panels for EMC chambers to support from 30 MHz to 1 GHz

DMC-FT-6.7

DMC Ferrite tiles are precision machined to have almost zero dimensional tolerance which helps in proper alignment of tiles, reduce gap between tiles resulting better performance and Normalized site attenuation of EMC chambers per ANSI C63.4 and applications per CISPR 16-1-4 and IEC 61000-4-3

FEATURES

- High precision dimension
- Option available for tile and panel
- Easy for installation by glue or screw
- No physical and performance degradation over time
- Fire resistant
- Low thickness takes less space
- Absorbs electromagnetic waves at lower frequency of application typically between 30 MHz to 1 GHz
- Impedance matched with DMC polyurethane and Polypropylene hybrid absorbers
- Size: 100 mm x 100 mm Tiles and 300 mm x 300 mm panels (option available for bigger panels)

TYPICAL REFLECTIVITY OVER FREQUENCY RANGE IN -dB

Model Number	30 MHz	100 MHz	300 MHz	500 MHz	700 MHz	1000 MHz
DMC-FT-6.7	25.5	38	19.5	16	12	10

MATERIAL CHARACTERISTICS

Properties	Symbol	Unit	Value
Initial Permeability	μ_{iac}		5500 ±20%
Relative Loss Factor	$\tan\delta/\mu_{iac}$	$\times 10^{-6}$	15 (0.1 MHz)
Saturation Flux Density	Bs	mT	280 (1194 A/m)
Remanence	Br	mT	180
Coercivity	Hc	A/m	3
Relative Temperature Factor(20°C-60°C)	$\alpha_{\mu r}$	$\times 10^{-6}/^{\circ}\text{C}$	3
Curie Temperature	Tc	°C	>90
Density	δ	Kg/m ³	4.85 x 10 ³
Resistivity	ρ	Ω m	>100

Values shown are based on testing of laboratory test product and represent data that falls within normal range purposes. Construction standards and absorber mounting procedure defines accurate results. The given information is based on data and knowledge considered to be true and accurate and is offered for the user's consideration, investigation and verification but we don't warrant the results to be obtained.

PICTURES



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