VHF FERRITE ABSORBER TILES 3600

Ferrite absorber tile is the industry standard solution and exhibits excellent overall performance versus cost

Our 3600 series Ferrite absorber tile is the standard solution for industry applications. It is an attractive solution for new anechoic chambers or for upgrading existing rooms for radiated-emission and immunity tests. These tiles are used when relatively high absorption and a compact solution are required (-15 to-25dB <100MHz). It is an excellent, reliable and compact solution for attenuating reflections in shielded enclosures.

3600 VHF FERRITE ABSORBER TILE

The VHF ferrite absorber tile is made of sintered ferrite and shaped like a square tile. The dimensions are 100 x 100mm with a thickness of **6.7mm**.

The tiles are subject to precise mechanical tolerances on all sides, minimizing gaps between adjacent tiles to ensure maximum performance.

The tiles provide excellent electromagnetic absorption performance in the VHF band for EMC anechoic chambers.

MATERIAL CHARACTERISTICS

Characteristics	Symbols	units	3600 series
Initial permeability	μiac		1000 ±20%
Relative loss factor	tanδ/μiac	$x10^{-6}$	25 (0.1MHz)
Saturation flux density	Bs	mT	360 (1194A/m)
Remanence	Br	mT	100
Coercivity	Hc	A/m	12
Relative temp. factor (20°C ~60°C)	αμr	$x\ 10^{-6}$/°C	3 ~ 5
Curie temperature	Tc	°C	>100
Density	δ	kg/m²	$5.0x\ 10^{3}$
Resistivity	ρ	MΩ*m	>1.0

CHARACTERISTICS

- No risk of explosion, flammability, reactivity or health hazard

FEATURES

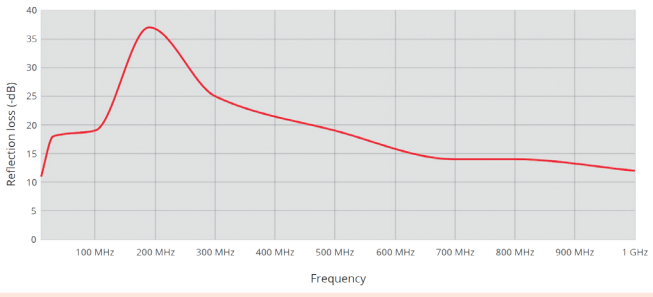
- Absorption of lower electromagnetic waves
- Wide frequency and fire resistant
- An electromagnetic absorbing material
- Easy and quick to assemble
- Precision-machined tiles for seamless installation
- No physical degradation over time
- Ultra thin, so takes up little space
- Highly weather resistant

APPLICATIONS

- EMC electromagnetic-wave anechoic chamber
- Electromagnetic-wave reflection of buildings
- Electromagnetic-wave absorption
- Electromagnetic reflection problems
- ANSIC63.4, CISPR16-1-4, IEC61000-4-3
- Prevents TV ghost

PERFORMANCE CHARACTERISTICS (3600-M)

(Normal incidence reflection loss)
Reflective attenuation vs. frequency



Please note: These values are measured under laboratory conditions. Results may vary in other situations. Please read our Guarantee.

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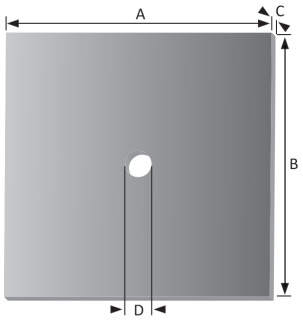
PART NUMBERS AND PRODUCT SPECIFICATION

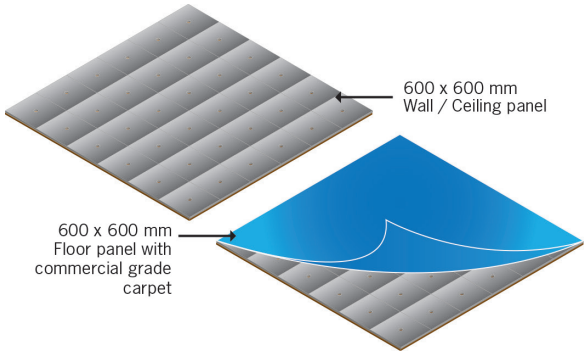
EMC-chamber dedicated, ferrite tile is produced with a traditional ceramic manufacture process.

Please note: These ferrite tiles are very thin, which can save more space for chamber installation. The tiles are non-flammable and they can be fully suitable for high-power test chambers. Ferrite tiles can be screwed directly on to the shielded housing; installation is very easy. Even after many years the effect of the ferrite tiles still will not be degraded



SUPPLIED AS 600 X 600 MM PANELS (OPTIONALLY AVAILABLE)

Both the 3600 VHF ferrite absorber tile and the 3610 UHF ferrite absorber tile are optionally available in the panel format of 36 Ferrite absorber tiles.



	Dimensions				Weight	Typical Reflection Loss (dB)						
Part number	A (mm)	B (mm)	C (mm)	D (mm)	Kg/sq m	30MHz	100MHz	200MHz	300MHz	500MHz	700MHz	1GHz
3600	100 (±0.5)	100 (±0.5)	6.75 (±0.2)	10 (±0.2)	33	-18	-27	-36	-25	-20	-15	-12

ORDER EXAMPLE

Part number		Type		Size
3600	-	M	-	100

100 : 100 x 100 mm
600 : 600 x 600 mm

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