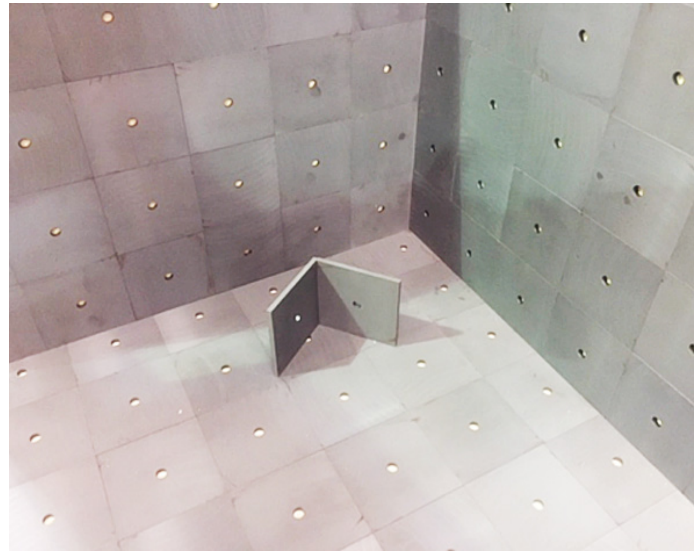


GLOBAL EMC FERRITE TILES**GLOBAL EMC PART NO GF102 - 100mm X 100mm X 5.5mm THICK**

Global EMC (HSN-1) ferrite tiles are used universally around the world in the most demanding performance applications where the required performance includes frequencies below 100MHz (mostly EMC where the test spectrum starts at 30MHz).

Fully compliant CISPR16-1-4 EMC 3m/5m/10m separation test chambers use this tile and with great success.

Global EMC normally stock the 100mm x 100mm x 5.5mm thick tile with a 10mm hole in the centre (the hole makes no appreciable difference to the performance but allows mechanical fixing if required).

**BROADBAND PERFORMANCE (10MHz-40GHz)**

The GF102 tiles are the optimum low and high frequency return loss performance and 'match' to the Global EMC pyramidal hybrid systems (doped foam GDSxxx-H3 or the RLT450/RLT650 doped polystyrene systems).

MATERIAL CHARACTERISTICS: GF 102/HSN-1

Initial Permeability	μ_{iac}		5,000±20%
Relative loss factor	$\tan\delta / \mu_{iac}$	$\times 10^{-6}$	7 (0.1MHz)
Saturation flux density (1194A/m, 23 °C)	Bs	mT	300
Remanence	Br	mT	200
Coercivity	Hc	A/m	5
Relative temp. factor (20 °C ~ 60 °C)	$\alpha_{\mu r}$	$\times 10^{-6} / ^\circ\text{C}$	7
Curie Temperature	Tc	°C	>100
Density	d	/	4.85×10^3
Resistivity	ρ	$\Omega \cdot \text{m}$	>70

FIXING/MOUNTING

Global EMC sell this product in two formats:

- 1) As individual tiles for the client to install (screw or glue in place)
- 2) On 6x6 tile boards which can be screwed in place for rapid and accurate installation and a possible re-site 'zero-scrap rate'



GLOBAL EMC FERRITE TILES

