

FOR EMC ANECHOIC CHAMBERS

IB MATERIAL

An electromagnetic absorber utilizing the magnetic resonance loss characteristic of ferrite. The sintered ferrite has been baked at a temperature of over 1000°C and possesses physical properties equivalent to those of external porcelain tiles.

IB-017

A sintered ferrite delivering excellent electromagnetic absorption performance particularly in the VHF band. This extremely thin electromagnetic absorber is 6 mm or less thick.

FEATURES

- This is a thin-type wide-band electromagnetic absorber.
- This is highly weather resistant.
- Can be used as building material.

PRODUCT IDENTIFICATIONS

I	B	- 017	100×100×5.2	WH
(1)	(2)	(3)	(4)	(5)

- (1) TDK electromagnetic absorbers
 (2) Base material code (B: Sintered ferrite)
 (3) Material code
 (4) Dimension
 (5) With hole

PHYSICAL PERFORMANCES

Bending strength (Pa)	1.4×10^8
Tensile strength (Pa)	3.1×10^9
Compression hardness (Pa)	7.8×10^{10}
Thermal expansion coefficient (K^{-1})	1.1×10^{-5}
Thermal conductivity ($W/(m \cdot K)$)	4
Specific heat ($J/(kg \cdot K)$)	640

STANDARD MATERIALS

Material name	Standard dimensions (mm)	Standard weight (g)	Applications
IB-017	100×100×5.2WH	100×100×5.5 270	EMC anechoic chambers, VOR and others



REFLECTION ATTENUATION vs. FREQUENCY CHARACTERISTICS (Measured using coaxial tube)

IB-017

