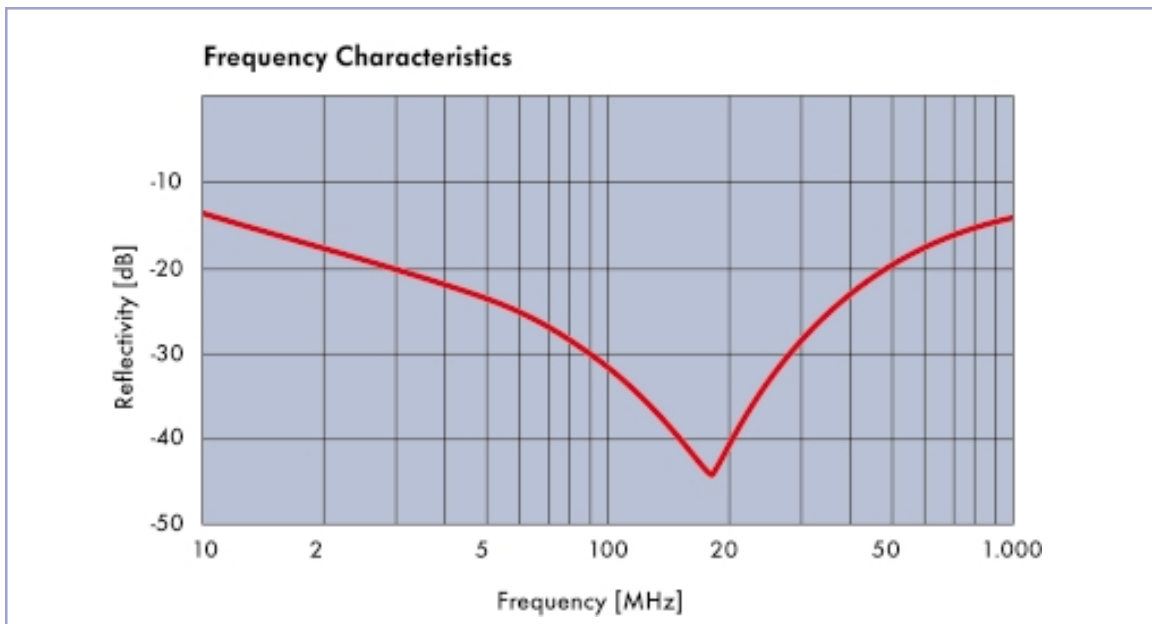


Ferrite Absorber IB-015

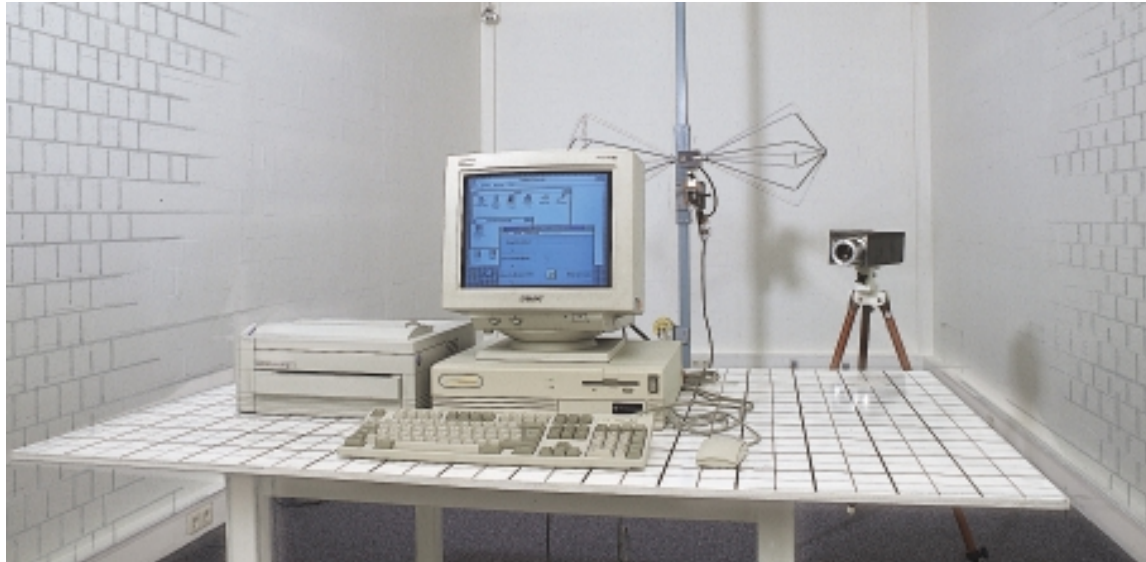
TDK, the world's largest supplier of ferrite material, ferrite products and EMC components, is the undisputed leader in ferrite tile and cascade radio wave absorber technology. TDK developed the concept of ferrite tile as EMC radio wave absorbers, and has over 20 years experience in constructing anechoic chambers with ferrite tiles.

The IB-015 ferrite tile is an absorbing material which utilizes the magnetic resonance loss of ferrite at high frequencies. The tile is precision ground to enhance performance, eliminating gaps between adjoining tiles and facilitating simple assembly.

With a reflection attenuation of greater than 20dB, the IB-015 ferrite provides exceptional high absorption performance over the frequency range from 30 MHz to 1,200 MHz.



The IB-015 ferrite tile absorber is especially suitable for precompliance compact anechoic chambers for radiated emission measurements and 3 meter test range, fully compliant semi-anechoic chambers.

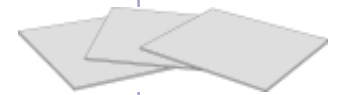


IB-015 ferrite tile absorbers in a TDK CAC-R compact anechoic chamber (white painted finish is optional).

Physical and Chemical Characteristics

Dimensions	100 mm x 100 mm x 6.3 mm (4" L x 4" W x 0.25" H)
Density	4.9
Young's Modulus	1.8×10^{12} g/cm · sec ²
Bending Strength	5.5×10^2 kg/m ²
Tensile Strength	45 kg/cm ²
Compression Hardness	2.4×10^3 kg/cm ²
Vickers Hardness	590
Wire Expansion Coefficient	6 to 10 x 10 ⁶
Thermal Conductivity	1.5×10^{-2} cal/sec · cm · °C
Specific Heat	0.2 cal/g · °C
Chemical Formula	MO, Fe ₂ O ₃ (M: Metal)

Main hazards: No explosion, flammability, reactivity or health hazard.



TDK RF Solutions Inc.

1101 Cypress Creek Rd.
Cedar Park, Texas 78613 USA
Phone: 1-512-258-9478
Fax: 1-512-258-0740
E-mail: chambers@tdkrf.com
World Wide Web: www.tdkrfolutions.com

TDK Electronics Europe GmbH.

Wanheimer Str. 57
40472 Düsseldorf, Germany
Phone: +49/211-9077-139
Fax: +49/211-9077-294

To learn more about TDK RF Solutions' wide range of innovative products and services visit www.tdkrfolutions.com

© Copyright 2001-2003 TDK RF Solutions Inc. All rights reserved. Specifications subject to change without notice.