Ferrite Absorber IB-017 & Dielectric

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 TDK double layer technique combines the magnetic resonance loss characteristics of TDK ferrite tile IB-017 with a tuned dielectric material. Developed and patented by TDK, the double layer radiowave absorber offers better performance and extended frequency range than ferrite tiles by themselves or conventional urethane foam absorbers. This concept enabled TDK to develop and construct the world’s first ‘ferrite only’ lined, fully compliant 3 meter range semi-anechoic chamber.

With a reflection attenuation of greater than 20dB, the IB-017 ferrite tile and dielectric board provides exceptional high absorption performance over the frequency range from 30 MHz to 1,200 MHz.