

Pyramidal Hybrid Absorber

Our FHY type absorber are pyramidal shaped flexible polyurethane foam based carbon / ferrite powder loaded hybrid absorber which are made for use in EMC test chambers. These FHY absorbers are to be combined with ferrite tiles to perform at lower frequencies and a low density matching dielectric layer to make hybrid absorber suitable at higher frequencies as well. FHY Absorber is available in three thicknesses: 30.0cm, 45cm and 60cm thick and termed as FHY-12, FHY-18 and FHY-24 respectively.

TYPICAL PERFORMANCE OF HYBRID PYRAMIDAL ABSORBER:

Absorber Type	Reflectivity (dB) with respect to Metal at frequency (MHz)								
	30	50	80	250	1000	10000	20000	30000	40000
FHY-12	-13	-15	-18	-15	-16	-18	-30	-40	-40
FHY-18	-14	-15	-18	-15	-16	-20	-35	-40	-40
FHY-24	-14	-15	-18	-15	-20	-25	-40	-40	-40

NR-Not Recommended.

Features

- Our FHY absorbers are optimized for a particular ferrite tiles /dielectric combination.
- Our foam absorbers are fire retardant with zero halogen means thereby avoid formation of toxic gases like HCl /HBr and poisonous gases like phosgene.