

ECCOSORB[®] SOLUTIONS

QUIET THE INTERFERENCE

Sample Material	Function	Operating Frequency	Thickness	Benefits	Common Applications
ECCOSORB [®] BSR-1/SS6M ^{5,6,7}	Mode Absorber magnetic elastomer	27-60 GHz	0.010"	Ultra-thin, broadband, high frequency, cavity resonance	RF/microwave and millimeter wave modules, converters, transceivers
ECCOSORB [®] GDS/SS6M ⁵	Mode Absorber magnetic elastomer	6-35 GHz	0.030"	Thin, broadband, intermediate frequency, cavity resonance, Fire Retardant per UL-94 V1	RF/microwave modules, converters, transceivers, PA's
ECCOSORB [®] MCS/SS6M ⁵	Mode Absorber magnetic elastomer	800 MHz–18 GHz	0.040"	Thin, broadband, low frequency, cavity resonance, Fire Retardant per UL-94 V1	RF/microwave modules, converters, transceivers, PA's
ECCOSORB [®] FGM-40/SS6M ⁵	Free Space and Mode Absorber magnetic elastomer	4-10 GHz (free space) 3-18 GHz (mode)	0.040"	Thin, broadband, reflectivity reduction and cavity resonance	Antenna shrouds, RF/microwave modules, base stations
ECCOSORB [®] HR-10 ²	Free Space Absorber open celled dielectric foam	8-40 GHz	10mm	Economical, broadband, reflectivity reduction	Lining shrouded antennas, antenna feeds, test boxes
ECCOSORB [®] LS-26/SS3 ^{1,3}	Mode Absorber dielectric foam	1-26 GHz	0.125"	Economical, broadband, cavity resonance and insertion loss	RF/microwave modules, converters, transceivers, PA's
ECCOSORB [®] QR-13AF/SS3 ^{1,4}	Mode Absorber dielectric foam	1-26 GHz	0.125"	Economical, broadband, cavity resonance and insertion loss. Fire Retardant per UL-94-HF-1	RF/microwave modules, converters, transceivers, PA's

Capabilities Include:

Custom configurations also available. Contact us or send in a drawing for a quote!

- Die Cutting
- Kiss-Cutting
- Water Jet Cutting
- Precision Machining
- Mold-In-Place Technology
- Injection Molding

¹ SS3 refers to acrylic-based pressure sensitive adhesive

² Available in 10 and 25 mm thickness. Thickness determines lower limit of operating frequency

³ Available in 1/8", 1/4", 3/8", 1/2", and 3/4" thickness

⁴ Available in 1/8" and 1/4" thickness

⁵ SS6M refers to the modified pressure sensitive adhesive used with silicone absorbers

⁶ Available in 0.010", 0.020", 0.040", 0.060" and 0.100". Other thicknesses available on special order

⁷ Suggested frequency of operation for .010 thickness only

Visit us online for next day samples or to shop our E-Commerce store where minimums do not apply!

ECCOSORB.COM

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