



ECCOSORB® SOLUTIONS

MICROWAVE ABSORBER QUICK REFERENCE LIST

<i>Product</i>	<i>Description</i>	<i>Frequency Range</i>	<i>Application</i>	<i>Thickness (mm)</i>	<i>Service Temp.</i>	<i>Adhesive</i>
ECCOSORB® SF	Thin, flexible, high power resonant silicone absorber	1 to 18 GHz	Reduction of narrow banded, front face reflections with low angle of incidence	4.1 to 1.2	-54° C to 163° C	SS-6M
<i>Also available: ECCOSORB® SF-U (Urethane based for abrasion resistance)</i>						
ECCOSORB® DSF	Thin, flexible, corrosion resistant, non-magnetic resonant absorber	3 to 17 GHz	Lining nacelles, reducing reflections and radar signatures	4.8 to 1.2	-55° C to 165° C	SS-6M
ECCOSORB® FGM-40	Thin, flexible, magnetically lossy broadband absorber	4 to 10 GHz	LNB, base stations, reducing specular reflections and backscattering	1.0	177° C	SS-6M
<i>Also available: ECCOSORB® FGM-U (Urethane based for abrasion resistance)</i>						
ECCOSORB® AN	Broadband open-cell foam absorber	0.6 to 40 GHz	Reduction of reflections with high angles of incidence	6 to 114	120° C	13-111-NF
<i>Also available: ECCOSORB® AN-W for outdoor use (Sealed ECCOSORB® AN)</i>						
ECCOSORB® HR	Lightweight, inexpensive, broadband open-cell foam absorber	5 to 40 GHz	Antenna shrouds and coupling	10 and 25	70° C	13-111-NF
ECCOSORB® GDS	High-loss, non-conductive silicone sheets, fire retardant per UL-94 V1 standard	6 to 35 GHz	Reduces cavity resonance and some surface currents	0.76 nominal	Cryogenic to 177° C	SS-6M
<i>Also available: ECCOSORB® GDS-U (Urethane based for abrasion resistance)</i>						
ECCOSORB® QR-13AF	Lossy urethane foam sheet fire retardant per UL-94 HF-1	1 to 26 GHz	RF modules, LNB, computer housings	3.0, 6.0	-70° C to 93° C	SS-3
ECCOSORB® MCS	Thin, flexible, magnetically lossy broadband absorber, fire retardant per UL-94 V1	0.8 to 18 GHz	RF modules, computer housings	1.0 nominal	177° C	SS-6M
<i>Also available: ECCOSORB® MCS-U (Urethane based for abrasion resistance)</i>						
ECCOSORB® LS	Lossy dielectric urethane foam sheets	1 to 26 GHz	Antenna isolation, and cavity resonance	3 to 18	-70° C to 93° C	SS-3
ECCOSORB® BSR	Ultra-thin, high-loss, broadband, magnetically loaded silicone sheets	1 to 25 GHz	Surface currents cavity resonance, and coupling	0.25 to 2.5	-54° C to 160° C	SS-6M
ECCOSORB® MFS	High-loss, magnetically loaded silicone absorber	1 to 18 GHz	Terminations, loads and attenuators	3.2 to 25	160° C	SS-6M

Visit us online at: www.eccosorb.com

Specular absorbers in top table. Surface current and resonance reduction absorbers in bottom table

Thickness of material depends on desired operating frequency

Custom sizes and fabricated parts available upon request

SS-6M refers to our Pressure Sensitive Adhesive (PSA) used with silicone absorbers

SS-3 refers to our Pressure Sensitive Adhesive (PSA) used with urethane absorbers