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**Product  
Bulletin**

**Note- 100    MICROSORB ABSORBER SELECTOR CHART**

**MICROSORB NARROWBAND ABSORBER SELECTOR GUIDE**

Bulletin No.	PRODUCT	DESCRIPTION	APPLICATION	FREQUENCY RANGE	THICKNESS In (mm)
100-01	MSF	Resonant, Flexible, Silicone Sheet Absorber	Narrow-band for antenna patterns, isolation, RCS Reduction	1 to 35 GHz	0.320 (0.710) to 0.025 (0.635)
100-02	MSF-U	Resonant, Flexible, Urethane Absorber	Narrow-band for antenna patterns, isolation, outdoor	1 to 24 GHz	0.320 (0.710) to 0.042 (1.07)
200-05	MTLF	Lossy, Flexible Foam, affordable	Isolation of Antennas, Base Stations, Computer Stations, Lower Q of Cavity	1 to 24 GHz	1.00 (25.40) to 0.125 (3.175)
300-05	FDS	Silicone, magnetically filled, flexible sheet	Cellular, Lower Q of a Cavity	900 MHz to 4.0 GHz	0.125 (3.175) to 0.030 (0.750)
300-06	FGS	Silicone, magnetically filled, flexible sheet	Modify Antenna Patterns, Cellular, Lower Q of Cavity	900 MHz to 12 GHz	0.125 (3.175) to 0.040 (1.000)
300-07	FFS	Thin, Ferrite filled Silicone Sheet Absorber	Modify Antenna Patterns, Lower the Q of a Cavity, RCS Reduction	800 MHz to 10 GHz	0.125 (3.175) to 0.030 (0.750)
400-01	MDS	Thin, High-Loss Silicone Sheet	Suppression of Surface Currents, Isolation of Antenna Elements	5 to 27 GHz	0.125 (3.175) to 0.020 (0.508)
400-02	MT-S	Series of High-Loss Magnetically Loaded Silicone Sheets	Suppression of Unwanted RF Energy, Terminations, Attenuators	2 – 20 GHz	1.00 (25.40) to 0.020 (0.508)
400-03	MTT-S	High-Loss Magnetically Loaded Silicone Sheets	Suppression of Unwanted RF Energy, Terminations, Attenuators, loads	1 to 10 GHz	1.00 (25.40) to 0.020 (0.508)
500-01	MTC-E	Epoxy, 2 Part Castable Absorber	Mold Waveguides, terminations , Lower Q of Cavity	2 – 20 GHz	N/A
500-02	MTC-S	Silicone, 2 Part Castable Absorber	Mold Waveguides, terminations , Lower Q of Cavity	2 – 20 GHz	N/A
600-01	330	Surface Wave Coating	Reduce RCS, Attenuate Surface Currents on Metal	2- 18 GHz	N/A



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**MICROSORB WIDEBAND ABSORBER SELECTOR GUIDE**

	Indoor Reflection Reduction	Outdoor Reflection Reduction	Indoor Device Isolation	Outdoor Device Isolation	Surface Current Reduction	Structural Lossy Material
1-8 GHz	MTL-79	MTL-W-79	MTLF-26	MTL-W-79	MTLF-30	HCS*
2-8 GHz	MTL-77	MTL-W-77	MTLF-26	MTL-W-77	MTLF-28, 30	HCS*
2-12 GHz	MTL-75	MTL-W-75, HPJ-75	MTLF-24	MTL-W-75	MTLF-28	HCS*
8-18 GHz	MTL-73, 74	MTL-W-73,74 HPJ-X-74	MTLF-22	MTL-W-73	MTLF-24	HCS*
2-18 GHz	MTL-77	MTL-W-77	MTLF-26	MTL-W-77	MTLF-26	HCS*

<b>Bulletin No.</b>	<b>Name &amp; Description</b>
200-02	HCS- High Temperature Honeycomb
200-04	HPJ- High Performance Outdoor Absorber
200-05	MTLF –Lightweight, Flexible Lossy Absorber
200-06	MTL – Lightweight, Flexible Multilayered Broadband Absorber
“-W” – Weatherproof	

\* HCS type is dependent upon insertion loss desired. Refer to Data Sheet 200-02.

**MICROSORB Technologies** offers the addition of

- ❖ Pressure Sensitive Transfer Adhesive on the back surface, for ease of application.
- ❖ EMI Metal Foil on the back surface to provide a ground plane. Fabrication of material into shapes to your specific drawing requirements. We offer die-cutting, water-jet, slitting and spraying services.