

US Series

High Permeability RF Absorbers

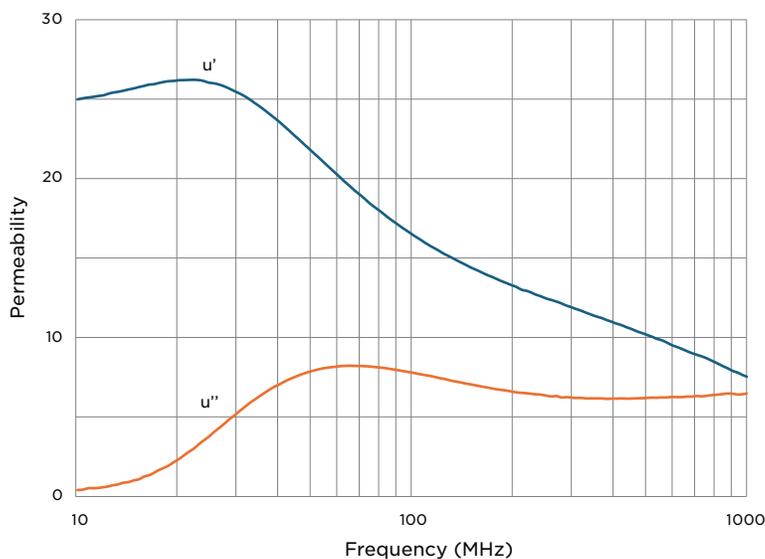
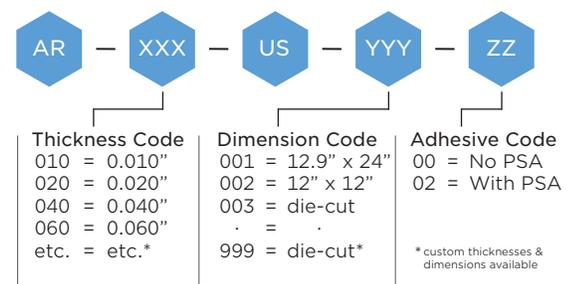
**MATERIAL**

Iron-alloy loaded acrylic elastomer

**FEATURES & BENEFITS**

- Superior cavity resonance reduction
- High magnetic permeability
- Halogen-free formulation
- RoHS/REACH compliant
- Available with adhesive backing
- 3PB die-cutting & assembly services

PROPERTIES	AR-010-US	AR-020-US	AR-040-US	AR-060-US
Elastomer Type	Acrylic	Acrylic	Acrylic	Acrylic
Thickness (in)	0.010	0.020	0.040	0.060
Thickness (mm)	0.254	0.508	1.016	1.524
Density (g/cm ³)	2.900	2.900	2.900	2.900
Frequency Range (GHz)	0.5 - 18.0	0.5 - 18.0	0.5 - 18.0	0.5 - 18.0
Frequency Band	UHF to K Band	UHF to K Band	UHF to K Band	UHF to K Band
Operating Temp. (°C)	-40 to 149	-40 to 149	-40 to 149	-40 to 149

ELECTRICAL PROPERTIES**PART NUMBERING****ORDERING INFORMATION**

Standard sheet products -001 (12.9" x 24") and -002 (12" x 12"), can be ordered using the above part numbering convention. Die-cut and other custom-dimensioned parts must be assigned a part number after acceptance of quote before placing an order. Contact us via email or contact form with any questions.



LS, CB, XB, KU, KB & KA Series

Near Field RF Absorbers



MATERIAL

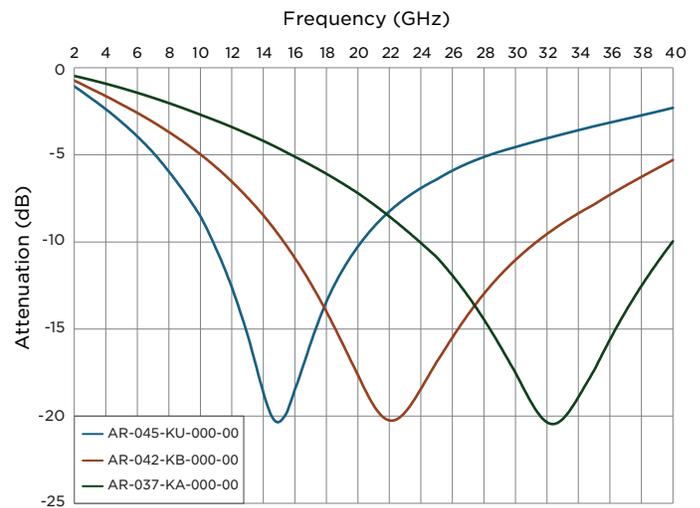
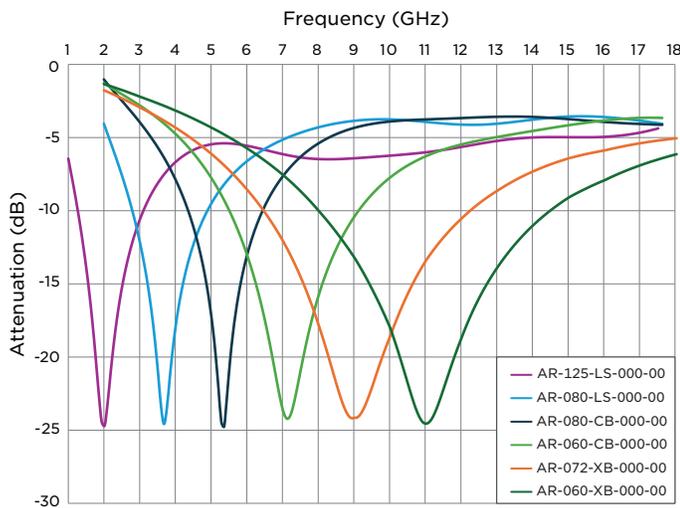
Iron-loaded silicone elastomer



FEATURES & BENEFITS

- Superior cavity resonance reduction
- RF absorbers spanning 1 to 40 GHz
- Halogen-free formulations
- RoHS/REACH compliant
- Available with adhesive backing
- 3PB die-cutting & assembly services

PROPERTIES	AR-125-LS	AR-080-LS	AR-080-CB	AR-060-CB	AR-072-XB	AR-060-XB	AR-045-KU	AR-042-KB	AR-037-KA
Elastomer Type	Silicone	Silicone	Silicone	Silicone	Silicone	Silicone	Silicone	Silicone	Silicone
Thickness (in)	0.125	0.080	0.080	0.060	0.072	0.060	0.045	0.042	0.037
Thickness (mm)	3.175	2.032	2.032	1.524	1.829	1.524	1.143	1.067	1.940
Density (g/cm ³)	4.470	4.470	4.030	4.030	3.250	3.250	3.250	2.930	2.930
Frequency Range (GHz)	1.0 - 2.0	1.0 - 4.0	4.0 - 8.0	4.0 - 8.0	8.0 - 12.0	8.0 - 12.0	12.0 - 18.0	18.0 - 27.0	27.0 - 40.0
Frequency Band	L Band	L to S Band	C Band	C Band	X Band	X Band	K _u Band	K Band	K _a Band
Operating Temp. (°C)	-55 to 200	-55 to 200	-55 to 200	-55 to 200	-55 to 200	-55 to 200	-55 to 200	-55 to 200	-55 to 200



AF Series

Broadband Foam RF Absorbers



MATERIAL

Carbon-loaded polyurethane foam

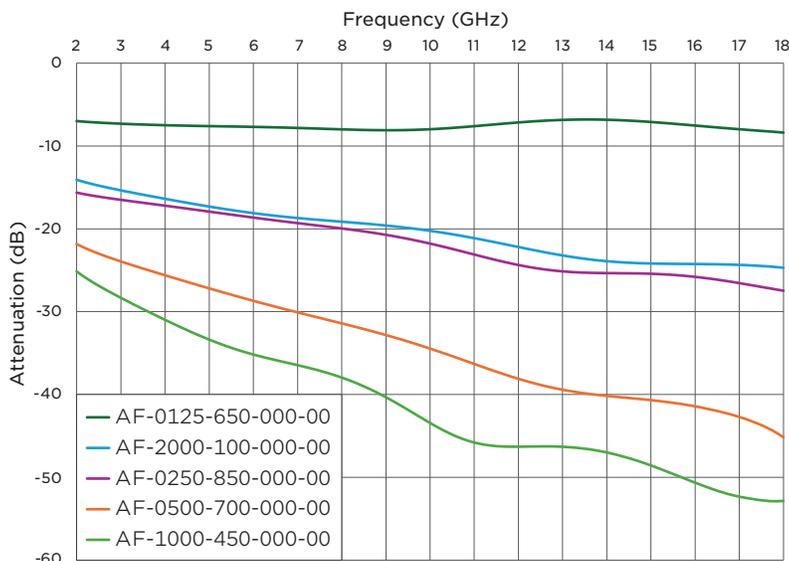


FEATURES & BENEFITS

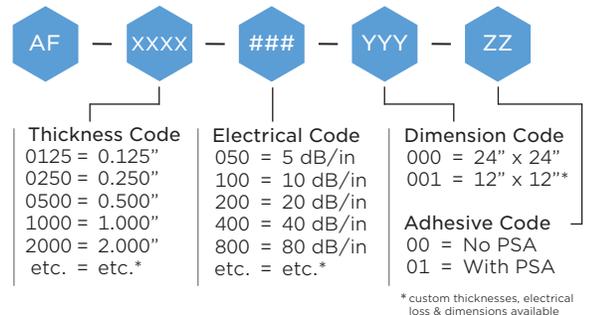
- Excellent broadband performance
- Designed for 1 to 40 GHz isolation
- Halogen-free formulations
- RoHS/REACH compliant
- Available with adhesive backing
- 3PB die-cutting & assembly services

PROPERTIES	AF-0125-650	AF-0250-850	AF-0500-700	AF-1000-450	AF-2000-100
Base Material Type	PU Foam				
Thickness (in)	0.125	0.250	0.500	1.000	2.000
Thickness (mm)	3.175	6.350	12.700	25.400	50.800
Weight (lbs/ft ²)	0.098	0.243	0.476	0.640	0.661
Insertion Loss (dB/in)	-65 @ 10 GHz	-85 @ 10 GHz	-70 @ 10 GHz	-45 @ 10 GHz	-10 @ 10 GHz
Frequency Band	Broadband	Broadband	Broadband	Broadband	Broadband
Operating Temp. (°C)	-45 to 120				

ELECTRICAL PERFORMANCE



PART NUMBERING



ORDERING INFORMATION

Standard sheet sizes -000 (24" x 24"), -001 (12" x 12") and samples -002 (3.5" x 5.5") can be ordered using the above part numbering convention. Die-cut and other custom-dimensioned parts must be assigned a part number after acceptance of quote before placing an order. Contact us via email or contact form with any questions.

