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RECTANGULAR RIGID WAVEGUIDE SPECIFICATIONS

TYPICAL ELECTRICAL SPECIFICATIONS							
EIA WR SIZE	FREQUENCY RANGE GHz	MRH ALUMINUM		MRC OFHC COPPER		MRF COMMERCIAL BRONZE	
		*VSWR	**INSERTION LOSS	*VSWR	**INSERTION LOSS	*VSWR	**ATTEN.
22	33.00-50.00	1.05	0.485	1.05	0.31	N/A	
28	26.50-40.00	1.05	0.344	1.05	0.219		
34	22.00-33.00	1.05	0.255	1.04	0.17		
42	18.00-26.50	1.04	0.207	1.04	0.132		
51	15.00- 22.00	1.04	0.135	1.05	0.09		
62	12.40-18.00	1.04	0.097	1.04	0.062	1.04	0.085
75	10.00-15.00	1.03	0.077	1.03	0.049	1.03	0.062
90	8.20-12.40	1.03	0.065	1.03	0.041	1.03	0.056
102	7.00-11.00	1.03	0.054	1.03	0.034	1.03	0.048
112	7.05-10.00	1.03	0.042	1.03	0.027	1.03	0.037
137	5.85-8.20	1.02	0.03	1.02	0.019	1.02	0.029
159	4.90-7.05	1.02	0.023	1.02	0.015	1.02	0.02
187	3.95-5.85	1.02	0.021	1.02	0.013	1.02	0.019
229	3.30-4.90	1.02	0.014	1.02	0.009	1.02	0.012
284	2.60-3.95	1.02	0.011	1.02	0.007	1.02	0.009
340	2.20-3.30	1.02	0.009	1.02	0.006	N/A	N/A
430	1.70-2.60	1.02	0.006	1.02	0.004	N/A	N/A
650	1.12-1.70	1.02	0.003	1.02	0.002	N/A	N/A

* VSWR is per 2 Foot Section

** Insertion Loss is in dB per Foot

See Double-Ridge, Rigid Waveguide and Millimeter Rigid Waveguide