

FLEXIBLE WAVEGUIDE TECHNICAL DATA



Waveguide Size	Frequency Range (GHz)	VSWR*	Attenuation**	<u>Bend Radii to Centerline</u>				Average Power (Kilowatts)	Peak Power (Megawatts)
				E-Plane w/Jacket	H-Plane w/Jacket	E-Plane No Jacket	H-Plane No Jacket		
WR90	8.20 - 12.40	1.10	0.09	1.75	2.50	1.25	1.50	3	0.18
WR102	7.00 - 11.00	1.10	0.08	2.00	2.88	1.30	1.94	4	0.30
WR112	7.05 - 10.00	1.09	0.06	2.25	3.25	1.40	1.82	4	0.31
WR137	5.85 - 8.20	1.09	0.05	2.38	3.38	1.50	2.07	5	0.50
WR159	4.90 - 7.05	1.08	0.04	4.00	6.00	1.60	2.25	6	1.10
WR187	3.95 - 5.85	1.08	0.03	4.38	6.50	1.94	3.00	6	1.25
WR229	3.30 - 4.90	1.07	0.02	6.50	8.00	2.13	3.25	8	1.55
WR284	2.60 - 3.95	1.09	0.02	7.00	9.50	2.94	5.50	10	2.00
WR340	2.20 - 3.30	1.08	0.01	N/A	N/A	4.25	6.00	16	3.70
WR430	1.70 - 2.60	1.07	0.01	N/A	N/A	6.00	8.00	20	4.70
WR510	1.45 - 2.20	1.07	0.01	N/A	N/A	6.00	12.00	20	4.70
WR650	1.12 - 1.70	1.06	0.01	N/A	N/A	6.00	12.00	150	11
WR770	0.96 - 1.45	1.05	0.01	N/A	N/A	6.00	12.00	210	15
WR975	0.75 - 1.12	1.05	0.01	N/A	N/A	9.00	18.00	350	25
WR1150	0.64 - 0.96	1.05	0.01	N/A	N/A	12.00	24.00	490	35
WR1500	0.49 - 0.75	1.05	0.01	N/A	N/A	12.00	30.00	840	60
WR1800	0.41 - 0.62	1.05	0.01	N/A	N/A	18.00	36.00	1200	86
WR2100	0.35 - 0.53	1.05	0.01	N/A	N/A	24.00	42.00	1300	117
WR2300	0.32 - 0.49	1.05	0.01	N/A	N/A	24.00	48.00	1540	141

*VSWR is per 2 foot section

** Attenuation is in dB per foot

COMPRESSED CONVOLUTION TECHNICAL DATA



Waveguide Size	Frequency Range (GHz)	VSWR*	Attenuation**	Movement (% of total length)				Average Power (Kilowatts)	Peak Power (Megawatts)
				E-Plane Standard	E-Plane Com. Conv.	H-Plane Standard	H-Plane Com. Conv.		
WR650	1.12 - 1.70	1.06	0.01	3%	5.8%	2%	3.6%	150	11
WR770	0.96 - 1.45	1.05	0.01	3%	5.8%	2%	3.6%	210	15
WR975	0.75 - 1.12	1.05	0.01	3%	5.8%	2%	3.6%	350	25
WR1150	0.64 - 0.96	1.05	0.01	3%	5.8%	2%	3.6%	490	35
WR1500	0.49 - 0.75	1.05	0.01	3%	5.8%	2%	3.6%	840	60
WR1800	0.41 - 0.62	1.05	0.01	3%	5.8%	2%	3.6%	1200	86
WR2100	0.35 - 0.53	1.05	0.01	3%	5.8%	2%	3.6%	1300	117
WR2300	0.32 - 0.49	1.05	0.01	3%	5.8%	2%	3.6%	1540	141

*VSWR is per 2 foot section

** Attenuation is in dB per foot

