

Waveguide Size	EIA	WR-22	WR-28	WR-34	WR-42	WR-51	WR-62	WR-75	WR-90	WR-112	WR-137	WR-187	WR-229	WR-284													
	IEC	R400	R320	R260	R220	R180	R140	R120	R100	R84	R70	R48	R40	R32													
	DEF	WG 23	WG 22	WG 21	WG 20	WG 19	WG 18	WG 17	WG 16	WG 15	WG 14	WG 12	WG 11 A	WG 10													
Frequency	GHz	33.0 - 50.0	26.5 - 40.0	22.0 - 33.0	18.0 - 26.5	15.0 - 22.0	12.4 - 18.0	10.0 - 15.0	8.20 - 12.40	7.0 - 10.0	5.8 - 8.5	3.94 - 5.95	3.22 - 4.9	2.60 - 3.95													
VSWR Max		1.3	1.2	1.3	1.15	1.1	1.08	1.08	1.09	1.07	1.05	1.05	1.05	1.06													
Insertion Loss (Unplated)	dB/m	2	1.6	1.3	0.9	0.6	0.45	0.4	0.3	0.25	0.2	0.1	0.1	0.1													
	dB/ft	0.61	0.49	0.4	0.27	0.18	0.14	0.12	0.09	0.08	0.06	0.03	0.03	0.03													
Power CW	W	75	150	200	300	500	1000	1500	3000	4000	5000	6500	8000	10,000													
Power Peak	KW	12	20	30	40	70	100	140	180	315	500	1250	1550	2,000													
Dimensions		mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch
	A	7.7	0.303	9.4	0.370	11.2	0.441	13.1	0.516	16.2	0.638	19	0.748	22.5	0.886	27.8	1.094	34	1.338	40.4	1.591	54	2.126	65.6	2.583	80.3	3.161
	B	4.4	0.173	5.6	0.220	6.4	0.252	6.4	0.252	9	0.354	10.2	0.402	12	0.465	13.9	0.547	16.5	0.65	19.9	0.783	26.8	1.055	34.6	1.362	39.6	1.559
	P	1.4	0.055	1.3	0.051	1.3	0.051	1.3	0.051	1.3	0.051	1.3	0.051	2	0.079	2.3	0.091	2.5	0.098	3	0.118	4	0.157	4	0.157	3.6	0.142
	Re	2.0	0.079	2.5	0.098	2.0	0.079	2.3	0.091	3.5	0.138	3.8	0.15	4	0.157	4.8	0.189	5.5	0.217	5.8	0.228	6.2	0.244	7	0.276	9	0.354
Tol +/-		0.3	0.01	0.3	0.01	0.3	0.01	0.3	0.01	0.3	0.01	0.3	0.01	0.3	0.01	0.3	0.01	0.3	0.01	0.3	0.01	0.3	0.01	0.3	0.01	0.3	0.01
Min Bend Radius (Neutral Axis)	E	10	0.394	10	0.394	10	0.394	10	0.394	15	0.591	18	0.709	20	0.787	22	0.866	25	0.984	30	1.181	48	1.89	57	2.244	68	2.677
	H	15	0.591	15	0.591	20	0.787	20	0.787	25	0.984	30	1.18	40	1.575	43	1.693	45	1.772	50	1.969	72	2.835	83	3.267	110	4.331
Max Length		950	37	950	37	950	37	950	37	1250	49	1250	49	1250	49	1250	49	1250	49	1250	49	1250	49	1250	49	1250	49
Material		Brass 80/20 or Beryllium Copper											Brass 85/15														

Insertion Loss is for unplated waveguide. Silver plating will reduce insertion loss.
 WR-22 to WR-137 are available in either 80/20 Brass or C17200 Beryllium Copper
 WR-187 to WR-284 are available in 85/15 Brass
 WR-22 to WR-51 are also available in OFE Copper, with comparable insertion loss to silver plated flex
 Special alloys are available on request

