

Flex Twist Waveguide Electrical & Mechanical Specifications

Designation			Frequency	Max Power	CW Power	Insertion Loss	Return Loss (dB)					Min C/L Bend Radius (mm)				Maximum Twist (°/m)	
												Static		Dynamic			
WG	WR	R	GHz	MW	kW	dB/m	300 mm	600 mm	1000 mm	1500 mm	2000 mm	E plane	H plane	E plane	H plane	Static	Dynamic
10	284	32	2.60 - 3.95	2.2	4	0.11	31.4	30.0	29.5	28.5	27.5	206	412	824	1648	105	25
11A	229	40	3.30 - 4.90	1.8	4	0.15	31.0	29.5	28.8	27.8	26.8	166	332	654	1328	130	35
12	187	48	3.95 - 5.85	1.4	3	0.16	31.0	28.8	28.3	27.3	26.3	136	272	544	1088	155	40
13	159	58	4.90 - 7.05	0.6	2.5	0.18	31.0	28.3	27.8	26.8	25.8	116	232	464	928	185	45
14	137	70	5.85 - 8.20	0.56	2	0.28	30.2	27.8	27.3	26.3	25.3	100	200	400	800	210	52
15	112	84	7.05 - 10.00	0.33	1.5	0.30	30.2	27.3	27.1	26.1	25.1	82	164	328	656	260	68
16	90	100	8.20 - 12.40	0.22	1	0.40	30.2	27.1	27.0	26.0	25.0	66	132	264	528	315	76
17	75	120	10.00 - 15.00	0.18	0.75	0.50	29.4	27.0	26.4	25.4	24.4	54	108	216	432	365	92
18	62	140	12.40 - 18.00	0.12	0.4	0.80	29.4	26.4	26.0	25.0	24.0	46	92	184	368	445	112
19	51	180	15.00 - 22.00	0.085	0.2	1.00	26.4	25.0	24.5	23.5	22.5	38	76	152	304	445	112
20	42	220	17.70 - 26.50	0.045	0.1	1.20	23.0	22.1	21.1	20.1	19.1	30	60	120	240	630	157
21	34	260	22.00 - 33.00	0.031	0.085	1.50	22.1	21.0	20.0	19.0	18.0	24	48	96	192	630	157
22	28	320	26.50 - 40.00	0.022	0.075	2.00	21.0	17.7	17.1	16.1	15.1	20	40	80	160	920	230
23	22	400	33.00 - 50.00	N/A	N/A	2.50	20.0	16.5	16.0	15.0	14.0	18	38	78	158	920	230