

ELECTRICAL SPECIFICATIONS

WG DESIGNATION			FREQUENCY RANGE	PEAK POWER**	SUGGESTED AVERAGE POWER LIMIT**	INSERTION LOSS dB	RETURN LOSS dB*		
WG	WR	R	GHz	MW	kW	dB/m	300mm	600mm	1000mm
10	284	32	2.60-3.95	2.2	4	0.11	31.4	30.0	29.5
11A	229	40	3.30-4.90	1.8	4	0.15	31.0	29.5	28.8
12	187	48	3.95-5.85	1.4	3	0.16	31.0	28.8	28.3
13	159	58	4.90-7.05	0.6	2.5	0.18	31.0	28.3	27.8
14	137	70	5.85-8.20	0.56	2	0.28	30.2	27.8	27.3
15	112	84	7.05-10.00	0.33	1.5	0.30	30.2	27.3	27.1
16	90	100	8.20-12.40	0.22	1	0.40	30.2	27.1	27.0
17	75	120	10.00-15.00	0.18	0.75	0.50	29.4	27.0	26.4
18	62	140	12.40-18.00	0.12	0.4	0.80	29.4	26.4	26.0
19	51	180	15.00-22.00	0.085	0.2	1.00	26.4	25.0	24.5
20	42	220	17.70-26.50	0.045	0.1	1.20	23.0	22.1	21.1
21	34	260	22.00-33.00	0.031	0.085	1.50	22.1	21.0	20.0
22	28	320	26.50-40.00	0.022	0.075	2.00	21.0	17.7	17.1
23	22	400	33.00-50.00	N/A	N/A	2.50	20.0	16.5	16.0
24	19	500	40.00-60.00	N/A	N/A				
25	15	620	50.00-75.00	N/A	N/A				

Notes:

- 1) *Return Loss performance is degraded if Choke Flanges are specified.
- 2) **Power figures are for guidance only.

MECHANICAL SPECIFICATIONS

WG DESIGNATION			MINIMUM CENTRE LINE BENDING RADII				MAX TWIST STATIC	MAX TWIST REPEATED	
			STATIC E-PLANE	STATIC H-PLANE	REPEATED E-PLANE	REPEATED H-PLANE			
WG	WR	R	mm	mm	mm	mm	Deg/m	Deg/m	
10	284	32	206	412	824	1648	105	25	
11A	229	40	166	332	654	1328	130	35	
12	187	48	136	272	544	1088	155	40	
13	159	58	116	232	464	928	185	45	
14	137	70	100	200	400	800	210	52	
15	112	84	82	164	328	656	260	68	
16	90	100	66	132	264	528	315	76	
17	75	120	54	108	216	432	365	92	
18	62	140	46	92	184	368	445	112	
19	51	180	38	76	152	304	445	112	
20	42	220	30	60	120	240	630	157	
21	34	260	24	48	96	192	630	157	
22	28	320	20	40	80	160	920	230	
23	22	400	18	38	78	158	920	230	
24	19	500	18	38	78	158	920	230	
25	15	620	16	36	76	156	920	230	

Notes:

- 1) Standard lengths are as follows: 100, 200, 300, 400, 500, 600, 900, 1000, 1200, 1500, 2000 mm.
- 2) Other lengths are available on request and may be subject to tooling and design charges.
- 3) Length tolerance = 1.5% or +/-2mm which ever is the greater.

