



## *Appendix M Flexible Seamless Waveguide*

WR	Frequency Range (GHz)	VSWR	Insertion Loss (dB/foot)	CW Power (Watts)	Peak Power (kW)	Bend Radii With Jacket	
						E-Plane	H-Plane
28	26.5-40.0	1.30	0.65	75	20	0.44	0.94
34	22.0-33.0	1.30	0.50	100	30	0.44	0.94
42	18.0-26.5	1.20	0.35	100	39	0.57	1.00
51	15.0-22.0	1.20	0.35	200	70	0.57	1.00
62	12.4-18.0	1.12	0.20	400	100	0.69	1.25
75	10.0-15.0	1.10	0.15	750	140	0.63	1.25
90	8.2-12.4	1.10	0.10	1000	180	1.25	1.50
102	7.0-11.0	1.10	0.09	1500	300	1.30	1.94
112	7.05-10.0	1.10	0.08	1500	315	1.40	1.82
137	5.85-8.2	1.10	0.07	2000	500	1.50	2.07
159	4.9-7.05	1.10	0.06	2500	1100	1.60	2.25
187	3.95-5.85	1.10	0.05	3000	1250	1.94	3.00
229	3.3-4.9	1.10	0.02	4000	1550	2.13	3.25
284	2.6-3.95	1.10	0.02	4000	2000	2.94	5.50

## *Flexible Seamless Millimeter Waveguide Assemblies*

WR	Frequency Range (GHz)	VSWR	Insertion Loss (dB/foot)	Avg. Power (Watts)	Peak Power (kW)
10	75.00-110.00	1.15	0.25	30	2.5
12	60.00-90.00	1.12	0.20	40	3.8
15	50.00-75.00	1.10	0.11	50	5.7
19	40.00-60.00	1.10	0.08	60	10
22	33.00-50.00	1.10	0.05	75	12
28	26.50-40.00	1.10	0.04	150	20