



Waveguide table

Imperial measurements

TYPE DESIGNATION				WAVEGUIDE CROSS SECTION				
WR	MIL-W85-6061/6063	WG	R	Internal		External		Nominal Wall
650	019/168	6	14	6.500	3.250	6.660	3.410	0.080
510	026/169	7	18	5.100	2.550	5.260	2.710	"
430	030/170	8	22	4.300	2.150	4.460	2.310	"
340	036/171	9A	26	3.400	1.700	3.560	1.860	"
284	042/172	10	32	2.840	1.340	3.000	1.500	"
229	048/173	11A	40	2.290	1.145	2.418	1.273	0.064
187	054/174	12	48	1.872	.0872	2.000	1.000	"
159	060/175	13	58	1.590	0.795	1.718	0.923	"
137	066/176	14	70	1.372	0.622	1.500	0.750	"
112	072/177	15	84	1.112	0.497	1.250	0.625	"
90	078/178	16	100	0.900	0.400	1.000	0.500	0.050
75	084/179	17	120	0.750	0.375	0.850	0.475	"
62	091/180	18	140	0.622	0.311	0.702	0.391	0.040
51	098/181	19	180	0.510	0.255	0.590	0.335	"
42	104/182	20	220	0.420	0.170	0.500	0.250	"
34	111/183	21	260	0.340	0.170	0.420	0.250	"
28	009	22	320	0.280	0.140	0.360	0.220	"
22	013	23	400	0.224	0.112	0.304	0.192	"

Metric measurements

TYPE DESIGNATION				WAVEGUIDE CROSS SECTION				
WR	MIL-W85-6061/6063	WG	R	Internal		External		Nominal Wall
650	019/168	6	14	165.10	82.55	169.16	86.61	2.03
510	026/169	7	18	129.54	64.77	133.60	68.83	"
430	030/170	8	22	109.22	54.61	113.28	58.67	"
340	036/171	9A	26	86.36	43.18	90.42	47.24	"
284	042/172	10	32	72.14	34.04	76.20	38.1	"
229	048/173	11A	40	58.17	29.08	61.42	32.33	1.63
187	054/174	12	48	47.55	22.15	50.80	25.4	"
159	060/175	13	58	40.39	20.19	43.64	23.44	"
137	066/176	14	70	34.85	15.80	38.10	19.05	"
112	072/177	15	84	28.499	12.62	31.75	15.88	"
90	078/178	16	100	22.86	10.16	25.40	12.7	1.27
75	084/179	17	120	19.050	9.53	21.59	12.06	"
62	091/180	18	140	15.799	7.90	17.83	9.93	1.02
51	098/181	19	180	12.954	6.48	14.99	8.51	"
42	104/182	20	220	10.668	4.32	12.70	6.35	"
34	111/183	21	260	8.636	4.32	10.67	6.35	"
28	009	22	320	7.112	3.56	9.14	5.59	"
22	013	23	400	5.69	2.85	7.72	4.88	"