



## RIGID WAVEGUIDES

### RECTANGULAR WAVEGUIDE

- Waveguides are manufactured to the highest mechanical and electrical standards and mechanical tolerances to meet international specifications.
- All these waveguides are available in any lengths upto 3.0 metres.
- Waveguide sections of specified length can be supplied with flanges, painted outside and silver or gold plated inside.
- Waveguides are available in Aluminium material also.



Band designation	EIA No.	Frequency (Ghz)	Waveguide Dimensions in mm				± Tol. (mm)	Material
			Inside		Outside			
			Width	Height	Width	Height		
EL	WR-650	1.12-1.7	165.1	82.55	169.16	86.61	0.25	Brass
L	WR-430	1.70-2.60	109.22	54.61	113.28	58.67	0.15	Brass
LS	WR-340	2.20-3.30	86.36	43.18	90.42	47.24	0.15	"
S	WR-284	2.60-3.95	72.14	34.04	76.20	38.10	0.15	"
SC	WR-229	3.30-4.90	58.17	29.08	61.42	32.33	0.15	"
C	WR-187	3.95-5.85	47.55	22.15	50.80	25.40	0.13	Brass/Copper
CJ	WR-159	4.90-7.05	40.39	20.19	43.64	23.44	0.10	"
J	WR-137	5.85-8.20	34.84	15.80	38.10	19.05	0.10	"
JX	WR-112	7.05-10.00	28.50	12.62	31.75	15.88	0.10	"
X	WR-90	8.20-12.40	22.86	10.16	25.40	12.70	0.10	"
XK	WR-75	10.0-15.00	19.05	9.53	21.59	12.07	0.10	Brass
Ku	WR-62	12.40-18.00	15.80	7.90	17.83	9.93	0.08	"
KK	WR-51	15.0-22.00	12.95	6.48	14.99	8.51	0.08	"
K	WR-42	18.0-26.50	10.67	4.32	12.70	6.35	0.08	"
R	WR-28	26.5-40.00	7.11	3.56	9.14	5.59	0.05	Copper
Q	WR-22	33.0-50.00	5.69	2.84	7.72	4.48	0.05	"
V	WR-15	50.0-75.00	3.76	1.88	5.79	3.91	0.05	"
W	WR-10	75.0-110.0	2.54	1.27	4.57	3.30	0.05	"