

Appendix B: Rectangular Waveguide

Frequency Band	Frequency Range (GHz)*		Dimensions (inch)	Flange Type
X	WR-90	8.2 – 12.4	0.900 x 0.400	UG-39/U, Square
Ku	WR-62	12.4 – 18.0	0.622 x 0.311	UG-419/U, Square
K	WR-42	18.0 – 26.5	0.420 x 0.170	UG-595/U, Square
Ka	WR-28	26.5 – 40.0	0.280 x 0.140	UG-599/U, Square
Q	WR-22	33.0-50.0	0.224 x 0.112	UG-383/U, Round
U	WR-19	40.0-60.0	0.188 x 0.094	UG-383/U, Round
V	WR-15	50.0-75.0	0.148 x 0.074	UG-385/U, Round
E	WR-12	60.0-90.0	0.122 x 0.061	UG-387/U, Round
W	WR-10	75.0-110.0	0.100 x 0.050	UG-387/U-M, Round
F	WR-8	90.0-140.0	0.080 x 0.040	UG-387/U-M, Round
D	WR-6	110.0-170.0	0.065 x 0.0325	UG-387/U-M, Round
G	WR-5	140.0-220.0	0.051 x 0.0255	UG-387/U-M, Round