



Table 10-1: Rectangular Waveguide Parameters
www.3jmicrowave.com

Waveguide Band	EIA Waveguide	Frequency Range (GHz)	Inside Waveguide Size (inches/mm)	Cutoff Frequency (GHz)	Waveguide Flange
K	WR-42	18-26.5	0.420x0.170/10.7x4.3	14.06	UG-595/U
-	WR-34	22-33	0.340x0.170/8.6x5.3	17.37	UG-595/UM
Ka	WR-28	26.5-40	0.280x0.140/7.11x3.56	21.09	UG-599/U
Q	WR-22	33-50	0.224x0.112/5.69x2.85	26.36	UG-383/U
U	WR-19	40-60	0.188x0.094/4.78x2.39	31.41	UG-383/UM
V	WR-15	50-75	0.148x0.074/3.76x1.88	39.90	UG-385/U
E	WR-12	60-90	0.122x0.061/3.10x1.55	48.41	UG-387/U
W	WR-10	75-110	0.100x0.050/2.54x1.27	59.06	UG-387/UM
F	WR-8	90-140	0.080x0.040/2.03x1.03	73.82	UG-387/UM
D	WR-6	110-170	0.065x0.0325/1.65x0.83	90.85	UG-387/UM
G	WR-5	140-220	0.051x0.0255/1.30x0.065	115.79	UG-387/UM