

Mi-Wave ¹ Band	Waveguide Designator(s) (JAN & WR)	Waveguide Inner Dimensions in Inches	Recommended Operating Range for TE ₁₀ Mode		Cut-Off for TE ₁₀ Mode		Theoretical Power CW Breakdown Lowest to Highest Frequency (KW)	Theoretical Attenuation Lowest to Highest Frequency (dB/ft)	Flange Type	Historic Designation	New MIL Part Number
			Frequency (GHz)	Wavelength (mm)	Frequency (GHz)	Wavelength (mm)					
KU	RG-9/U WR-62	0.622 x 0.311	12.4 - 18.0	24.2 - 16.6	9.486	31.60	400 - 600	.064 - .030	Cover ¹ Choke	UG-419/U UG-541/U	M3922/53-4/005 M3922/59-2/001
			18.0 - 26.5	16.6 - 11.3	14.047	21.34	160 - 240	.17 - .11	Cover ¹ Choke Cover	UG-595/U UG-596A/U UG-425/U	M3922/54-4/001 M3922/59-2/003 M3922/67-2/004
A	RG-96/U WR-28	0.280 x 0.140	26.5 - 40.0	11.3 - 7.5	21.081	14.22	95 - 145	0.22 - 0.15	Cover ¹ Choke Cover	UG-599/U UG-600/U UG-381/U	M3922/54-4/003 M3922/59-2/005 M3922/67-2/005
			33.0 - 50.0	9.1 - 6.0	26.342	11.38	62 - 90	0.31 - 0.21	Cover ¹ Cover Cover	UG-383/U 719 719T	M3922/67-2/006 N/A N/A
U	WR-19	0.188 x 0.094	40.0 - 60.0	7.5 - 5.0	31.357	9.56	47 - 64	0.39 - 0.27	Cover ¹² Cover Cover	UG-383/U-M 710 720T	M3922/67-2/007 N/A N/A
			50.0 - 75.0	6.0 - 4.0	39.863	7.52	29 - 42	0.57 - 0.39	Cover ¹	UG-385/U	M3922/67-2/008
V	RG-98/U WR-15	0.148 x 0.074	60.0 - 90.0	5.0 - 3.3	48.350	6.20	20 - 29	0.78 - 0.53	Cover ¹	UG-387/U	M3922/67-2/009
			75.0 - 110.0	4.0 - 2.7	59.010	5.08	14 - 20	1.02 - 0.71	Cover ¹²	UG-387/U-M	M3922/67-2/010
F	RG-138/U WR-8	0.080 x 0.040	90.0 - 140.0	3.3 - 2.1	73.764	4.06	8.5 - 13.5	1.52 - 0.98	Pin ¹ Cover ²	714 UG-387/U-M	M3922/74-001 N/A
			110.0 - 170.0	2.7 - 1.8	90.786	3.30	5.8 - 9.0	2.12 - 1.35	Pin ¹ Cover ²	716 UG-387/U-M	M3922/74-002 N/A
G	RG-135/U WR-5	0.051 x 0.0255	140.0 - 220.0	2.1 - 1.4	115.71	2.59	3.7 - 6.1	3.05 - 1.93	Pin ¹ Cover ²	715 UG-387/U-M	M3922/74-003 N/A

1. Standard flange unless otherwise specified.
2. Modified (-M) means waveguide opening has been reduced appropriately. Screw and pin pattern are unchanged.