

Waveguide to Waveguide Adaptors

DrawCom has two types of waveguide to waveguide adaptors for transforming from one waveguide size to another: Tapered and Step.

The Tapered Waveguide Adaptors are electroformed, have a better VSWR performance, and are good for wide frequency bandwidths. Step Adaptors are designed for specific bandwidths and are shorter in length. The length of the adaptor depends upon the operating frequency bandwidth.



TAPERED

Part No.	W/G Type	Operating Freq. Range (GHz)	Length (in.)	Maximum VSWR
M1212	WR284-WR229	3.30 – 3.95	8.00	1.020
M1211	WR229-WR187	3.95 – 4.90	7.00	1.020
M1804	WR187-WR159	4.90 – 5.85	6.95	1.040
M1082	WR159-WR137	5.85 – 7.05	6.25	1.025
M1188	WR137-WR112	7.05 – 8.20	6.00	1.025
M1130	WR112-WR90	8.20 – 10.00	6.00	1.025
M1073	WR90-WR75	10.00 – 12.40	4.50	1.030
M1131	WR75-WR62	12.40 – 15.00	4.00	1.030
M1218	WR62-WR51	15.00 – 18.00	3.50	1.030
M1219	WR51-WR42	18.00 – 22.00	3.25	1.030
M2105	WR28-WR22	33.00 – 40.50	2.00	-

STEP

Part No.	W/G Type	Operating Freq. Range (GHz)	Length (in.)	Maximum VSWR
M1208	WR159 -WR137	5.85 – 7.05	4.00	1.050
M1213	WR137 - WR112	7.05 – 8.20	2.75	1.050
M1015	WR112 – WR90	8.20 – 10.00	2.50	1.050
M1214	WR90 – WR75	10.00 – 12.40	1.80	1.050
M1215	WR75 – WR62	12.40 – 15.00	2.00	1.060
M1216	WR62 – WR51	15.00 – 18.00	1.25	1.060
M1217	WR51 - WR42	18.00 – 22.00	1.25	1.060

Note: Better performances are available for narrow bandwidths.

ORDERING INFORMATION

1. Specify model number and flange type required
2. Specify maximum length required on Step Adaptors.

Consult us for more details regarding your particular requirements.

DrawCom Pty Ltd

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