

Waveguide Terminations, Fixed Attenuators

DC to 40 GHz Applications

Termination Features

- WR650 to WR28 available
- Pressurized to 30 PSI
- Low VSWR (Suitable for test standard)
- Dummy Loads to 5000 W (WR430) and 4000 W (WR284, WR229)
- Stub Terminations for tight locations

MIDISCO

provides a wide assortment of Waveguide (W/G) components in addition to the adapters shown elsewhere. They are too numerous to include all data here, and include terminations, dummy loads, straight sections, transitions, mitered and swept 90° bends, directional couplers, pressure inlets, as well as fixed attenuators, and flexible W/G sections. Medium power terminations and dummy loads are shown. Both are available in low and high power as well. For information on components not shown, contact factory.

New Products

Medium Power Terminations, Dummy Loads (Frequency in GHz per EIA Designations)

Model No.	Frequency	W/G	Max. VSWR	CW Pwr	A Dim.	B Dim.	C Dim.	D Dim.
T-X-650-M (1)	1.12-1.17	WR650	1.05	50 W	15	NA	NA	NA
T-X-430-M (1)	1.7-2.6	WR430	1.07	30 W	12	NA	NA	NA
T-X-284-M	2.6-3.95	WR284	1.07	30 W	11	NA	NA	NA
T-X-229-M	3.3-4.9	WR229	1.07	30 W	8	NA	NA	NA
T-X-187-M	3.95-5.85	WR187	1.07	30 W	7	NA	NA	NA
T-X-159-M	4.9-7.05	WR159	1.07	30 W	6	NA	NA	NA
T-X-137-M	5.85-8.2	WR137	1.07	30 W	6	NA	NA	NA
T-X-112-M	7.05-10.0	WR112	1.07	30 W	6	NA	NA	NA
T-X-90-M	8.2-12.4	WR90	1.07	40 W	5	NA	NA	NA
T-X-75-M	10.0-15.0	WR75	1.07	50 W	4	NA	NA	NA
T-X-62-M	12.4-18.0	WR62	1.07	30 W	4	NA	NA	NA
T-X-42-M	18.0-26.5	WR42	1.07	15 W	3	NA	NA	NA
T-X-28-M	26.5-40.0	WR28	1.07	15 W	2	NA	NA	NA
ST-X-229-M	3.7-4.2	WR229	1.20	60 W	3	NA	NA	NA
ST-X-187-M	5.0-6.0	WR187	1.20	50 W	3	NA	NA	NA
ST-X-159-M	5.9-6.5	WR159	1.10	50 W	2	NA	NA	NA
ST-X-137-M	5.9-6.5	WR137	1.10	50 W	1.5	NA	NA	NA
ST-X-112-M	7.25-8.4	WR112	1.15	35 W	1.5	NA	NA	NA
ST-X-90-M	11.7-12.2	WR90	1.10	35 W	1.5	NA	NA	NA
ST-X-75-M	11.7-12.2	WR75	1.10	30 W	1.25	NA	NA	NA
ST-X-75-M	14.0-14.5	WR75	1.10	30 W	1.25	NA	NA	NA
ST-X-62-M	14.0-14.5	WR62	1.10	25 W	1	NA	NA	NA
DL-X-650-M (1)	1.12-1.17	WR650	1.10	3000 W	35	10	9	.265
DL-X-430-M (1)	1.7-2.6	WR430	1.10	2000 W	25	7.5	6.5	.265
DL-X-284-M	2.6-3.95	WR284	1.10	2000 W	15	6	5	.265
DL-X-229-M	3.3-4.9	WR229	1.10	1500 W	21	6	5	.265
DL-X-187-M	3.95-5.85	WR187	1.10	1500 W	14	5	4	.265
DL-X-159-M	4.9-7.05	WR159	1.10	1500 W	18	5	4	.265
DL-X-137-M	5.85-8.20	WR137	1.10	1500 W	9.5	5	4	.265
DL-X-112-M	7.05-10.0	WR112	1.10	1000 W	11	5	4	.265
DL-X-90-M	8.2-12.4	WR90	1.10	1000 W	11	5	4	.203
DL-X-75-M	10.0-15.0	WR75	1.10	1000 W	11	5	4	.265
DL-X-62-M	12.4-18.0	WR62	1.10	1000 W	11	5	4	.265
DL-X-42-M	18.0-26.5	WR42	1.10	500 W	7.5	3.5	3	.203
DL-X-28-M	26.5-40.0	WR28	1.10	250 W	5.5	2	2.5	.203

(1): Available in aluminum only

Part Number Construction **X**: Insert 1, 2, 3, 4, 5, or 6 in place of X for flange type. **M**: Insert A, B, C or S for material required.

Material: A = Aluminum, B = Brass, C = Copper, S = Special **Flange**: 1 = Cover, 2 = Choke, 3 = CPRF, 4 = CPRG, 5 = Special, 6 = CMR

Example: A WR90, 50 watt termination with a brass choke flange is part number *T-2-90-B*

Notes: Standard Finish is black polyurethane enamel. All dimensions are in inches. See next page for outline drawings.