



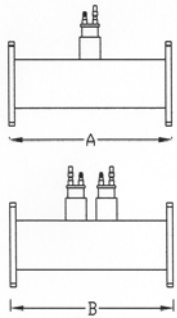
# Waveguide Couplers

- AVAILABLE IN 1/8 AND 1/4 WALL THICKNESS
- CHROMATE OR PAINTED FINISH
- CUSTOM FLANGE SIZES



MCI's Directional Loop Couplers are designed to couple signals from a high power transmission line. The High Power Loop Coupler has an external load and can measure either forward or reverse power without rotation by manually repositioning the load. Directional couplers can be installed in all waveguide components (e.g. Bends, switches, ect.) in any combination of setting.

Each coupler is factory calibrated to your settings and fully traceable to National Bureau of Standards and Technology.



**Specifications (typical over 10% band width)**

- Main line VSWR: 1.05:1
- Secondary line VSWR: 1.10:1
- Coupling Range: 35-85dB, +/- 1dB
- Directivity: 30 dB Min
- Insertion Loss: less than 0.05dB
- Terminations: 2 Watts, external

Directional Couplers Monitor and Reflectometer				
Size EIA WR	Single (Monitor)	"A"	Dual (Reflectometer)	"B"
430	56613	8.00 (203.20)	56623	8.00 (203.20)
650	56614	8.00 (203.20)	56624	12.00 (304.80)
770	56615	8.00 (203.20)	56625	12.00 (304.80)
975	56616	8.00 (203.20)	56626	12.00 (304.80)
1150	56617	8.00 (203.20)	56217	12.00 (304.80)
1500	56618	8.00 (203.20)	56628	12.00 (304.80)
1800	56619	12.00 (304.80)	56629	12.00 (304.80)
2100	56610	12.00 (304.80)	56620	12.00 (304.80)
2300	56611	12.00 (304.80)	56621	12.00 (304.80)

Dimension in inches (mm)