



Mega Industries single, double and triple loop couplers are utilized for reflectometer measurements and power monitoring in waveguide transmission systems. With multi loop couplers, the couplers can be set at different coupling values for forward and reverse waves to optimize the dynamic range. All electrical calibration is directly traceable to the bureau of national standards.

The following nominal specifications for a WR159 Directional Coupler are applicable over a 10% waveguide bandwidth:

Mainline VSWR:	1.05:1
Sidearm VSWR:	1.25:1
Coupling Factor:	40 to 75 dB \pm 1.0 dB
Coupling Variation:	\pm 1 dB
Directivity:	27 dB Nominal Insertion
Loss:	Less than 0.05 dB
Terminations:	Included, External two Watt