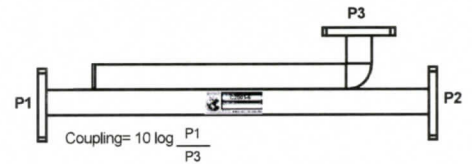
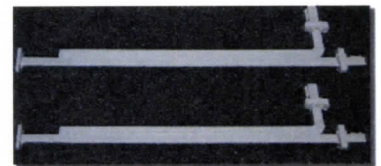


High Directivity Directional Couplers

Our Broadwall Directional Coupler is a high performance unit due to a multihole arrangement in the broadwall common to both secondary and main arms. It is essentially a four port device where one of its ports has been terminated and matched in order to obtain high directivity. The advantages of this device are its low VSWR, flat response over the full waveguide band and directivity greater than 40 dB. Canteq can supply a variety of configurations, covering a full frequency range with multiple flange and coaxial connector types (SMA, N and K). For more information feel free to call us and discuss your needs. Standard coupling values are 3, 6, 10, 20, and 30 dBs.



HIGH DIRECTIVITY COUPLER

Model No (All waveguide)	W/G (WR)	Freq. Range (GHz)	Directivity (dB)
C2001-1	284	2.60-3.95	40
C2001-2	229	3.30-4.90	43
C2001-3	187	3.95-5.85	43
C2001-4	159	4.90-7.05	43
C2001-5	137	5.85-8.20	46
C2001-6	112	7.05-10.00	46
C2001-7	90	8.20-12.40	43
C2001-8	75	10.00-15.00	40
C2001-9	62	12.40-18.00	40
C2001-11	42	18.00-26.50	38
C2001-12	34	22.00-33.00	38
C2001-13	28	26.50-40.00	38

Note: 46 dB Directivity is available for 10 dB couplers only

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

How to order the right part:

Specify the model number according to the required frequency and waveguide size. Specify desired coupling. Specify flange type and position

Example

Model No No	Coupling (dB)	Flanges P1-P2-P3
C2001-5	10	2-2-2

Thus Canteq Model No. C2001-5-10-2-2-2 is:

a WR137 coupler with an operating frequency of 5.85 to 8.20 GHz,

With a coupling value of 10 dB

and CPRF flanges at each port.

HIGH DIRECTIVITY TEST SET UPS

The High Directivity Couplers can also be supplied as a complete Test Setup in a carrying case that can be shipped in airplanes for on site tests.



The case Test Set Up includes:

- One High Directivity Coupler
- Three waveguide to coaxial Adaptors
- One Precision waveguide Termination
- Two Brass shorts
- Hardware
- Special shipping case.

Consult our Sales Department to help you with your particular requirements