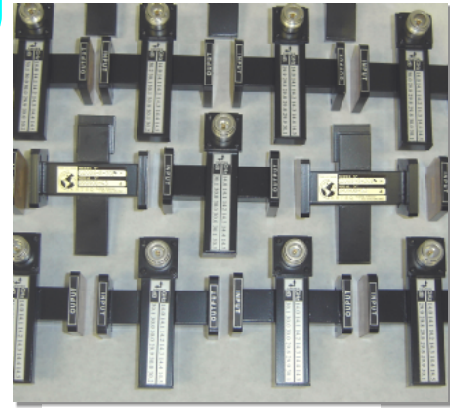
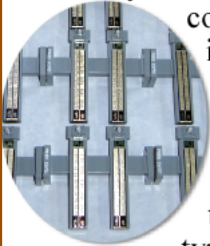


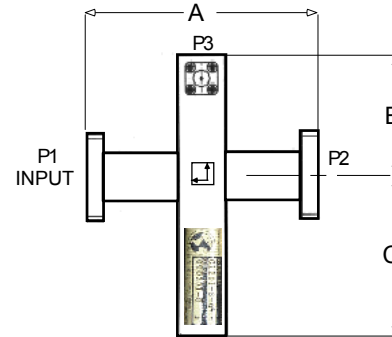
C2000 CROSS GUIDE COUPLERS SERIES

Canteq's cross guide couplers are small in size, offer directivity better than 20 dB and a flat coupling response. These cross guide couplers are most commonly used to monitor and control forward and reverse power in microwave subsystems due to its reliability and precision. Other applications include RF combining, spectrum monitoring, frequency and isolation measurements. Canteq supplies single, double and triple crossguide couplers in a variety of forms. The form most widely used is the one of a main arm with flanged input and output ports, the secondary arm has a built-in termination and the coupled output is coaxial typically with SMA, N or K connectors. Our crossguide couplers are supplied with a five point calibration label featuring coupling versus frequency. They are available for waveguide sizes ranging from WR284 to WR28.



GENERAL FEATURES

- Coupling value is 20 dB min. and 60 dB max.
- Directivity is 20 dB min.
- Coupling accuracy and flatness:
 - ± 0.5 dB over 500 MHz ± 1.5 dB for full band
- Return Loss in main arm is better than 26 dB (30-60 dB coupling).
- Return Loss in main arm is better than 23 dB (20-30 dB coupling).



SINGLE ARM CROSS GUIDE COUPLERS						
Model No Type "N"	Model No "SMA"	W/G (WR)	Freq. Range (GHz)	Dimension (inches)		
				A	B	C
C2001-1	C2031-1	284	2.60-3.95	7.00	3.75	5.00
C2001-2	C2031-2	229	3.30-4.90	6.00	3.50	4.75
C2002-2	C2032-2	229	3.625-4.20	6.00	3.50	4.75
C2001-3	C2031-3	187	3.95-5.85	5.00	3.25	4.50
C2001-4	C2031-4	159	4.90-7.05	4.00	3.00	4.00
C2003-4	C2033-4	159	5.85-6.425	4.00	3.00	4.00
C2001-5	C2031-5	137	5.85-8.20	4.00	3.00	4.00
C2004-5	C2034-5	137	5.85-6.425	4.00	3.00	4.00
C2005-5	C2035-5	137	7.25-7.75	4.00	3.00	4.00
C2001-6	C2031-6	112	7.05-10.00	3.50	2.10	3.00
C2006-6	C2036-6	112	7.90-8.40	3.50	2.10	3.00
C2001-7	C2031-7	90	8.20-12.40	3.00	2.00	2.75
C2007-7	C2037-7	90	10.70-11.70	3.00	2.00	2.75
C2001-8	C2031-8	75	10.00-15.00	3.00	1.87	2.50
C2008-8	C2038-8	75	14.00-14.50	3.00	1.87	2.50
C2009-8	C2039-8	75	11.70-12.20	3.00	1.87	2.50
C2001-9	C2031-9	62	12.40-18.00	2.50	1.75	2.40
C2001-10	C2031-10	51	15.00-22.00	2.50	1.50	2.25
C2001-11	C1031-11	42	18.00-26.50	2.00	1.10	1.50

WR 34 and WR 28 Available with "K" Connectors

How to order the right part:

Specify the model number according to the required frequency, connector type and waveguide size. Male or female connector. Specify Coupling value and Direction. Select the flange type for port P1 and P2 from Flange Code.

Example

Canteq Model No C2004-5-F-50F-2-2 is:

Model #	Male or Female	Coupling	Flanges P1-P2
C2004-5	F	50 F	2-2

a WR137 X/G coupler type "N", with an operating frequency of 5.85 to 6.425 GHz, with a female connector a coupling of 50 dB in the Forward direction and CPRF flanges at both ends.