

**PRINCIPAL SPECIFICATIONS**

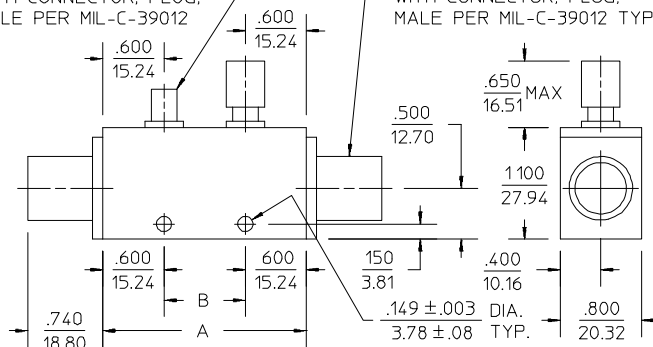
Model Number	Frequency Range, GHz	Nominal Coupling, $\pm$ dB	Frequency Sensitivity, dB, Max.	Directivity, dB, Min.	*Insertion Loss, dB, Max.	VSWR, Main Line, Outline Max.	Ref.
CBN-30M-1.5G	1.0 - 2.0	30 ± 1	± 0.75	18	0.2	1.15:1	4
CBN-30M-3G	2.0 - 4.0	30 ± 1	± 0.75	18	0.2	1.15:1	2
CBN-30M-4G	2.6 - 5.2	30 ± 1	± 0.75	18	0.2	1.20:1	2
CBN-30M-6G	4.0 - 8.0	30 ± 1	± 0.75	18	0.2	1.30:1	1
CBN-30M-8G	5.0 - 11.0	30 ± 1	± 0.50	15	0.2	1.30:1	1
CBN-30M-9G	7.0 - 11.0	30 ± 1	± 0.50	16	0.2	1.30:1	1
CCN-30M-2G	1.0 - 4.0	30 ± 1	± 0.60	15	0.2	1.15:1	5
CCN-30M-3G	1.5 - 4.5	30 ± 1	± 0.60	18	0.2	1.20:1	4
CCN-30M-5G	2.0 - 8.0	30 ± 1	± 0.60	16	0.2	1.30:1	3
CCN-35M-6G	1.0 - 11.0	35 ± 1.5	± 1.50	15	0.2	1.30:1	5
CCN-30M-8G	4.0 - 12.0	30 ± 1	± 0.60	15	0.2	1.30:1	2

$\pm$ Coupling is referenced to the input and includes frequency sensitivity

* Insertion Loss including Coupling "Loss"

CONNECTOR, RECEPTACLE, FEMALE, SMA TYPE, MATES WITH CONNECTOR, PLUG, MALE PER MIL-C-39012

CONNECTOR, RECEPTACLE, FEMALE, N TYPE, MATES WITH CONNECTOR, PLUG, MALE PER MIL-C-39012 TYP.



OUTLINE	A	B	WT. OZ. (G)
1	$\frac{2.000}{50.80}$	$\frac{.800}{20.32}$	4.66 (132)
2	$\frac{2.500}{63.50}$	$\frac{1.300}{33.02}$	5.29 (150)
3	$\frac{3.000}{76.20}$	$\frac{1.800}{45.72}$	5.93 (168)
4	$\frac{3.500}{88.90}$	$\frac{2.300}{58.42}$	6.56 (186)
5	$\frac{3.850}{97.79}$	$\frac{2.650}{67.31}$	7.05 (200)

NOTES:
1. Tolerance on 3 place decimals $\pm .020$ (.51) except as noted.
2. Dimensions in inches over millimeters.

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GENERAL SPECIFICATIONS

Peak Power:	10 kW max.
CW Input:	600 W max.
Impedance:	50 Ω nom.
Operating Temperature:	-55° to +85°C
Other Coupling Values:	Available
Other Frequency Bands:	Available

General Notes:

1. The octave band CBN series and multi-octave CCN series of high power Directional Couplers are designed to monitor signals with minimal perturbation to the main line. Each coupler uses air-line coupling technology for simple reliable operation. They are well suited to transmitter carrier power monitoring, leveling and VSWR protection circuits.
2. These units comply with MIL-C-15370 and can be supplied screened for compliance with additional specifications you designate for military and aerospace applications requiring higher reliability.