

TECHNICAL FEATURE FEATURES

- 5 - 2000 MHz
- 10 dB & 20 dB Models
- Multi-Octave Units
- Low Profile Surface Mount Package

PRINCIPAL SPECIFICATIONS

Model Number	Frequency Range MHz	Performance Bandwidth MHz	□ Coupling dB Nom.	Frequency Sensitivity dB, Max.	Directivity dB Min.	*Insertion Loss, dB Max.	VSWR Max.
CBG-10B-375	5 - 750	5 - 750	10 ± 1.0	±0.5	20	1.3	1.5:1
CBG-20B-375	5 - 750	5 - 750 10 - 400	20 ± 1.0 20 ± 1.0	±0.75 ±0.5	18 20	1.0 0.6	1.5:1 1.3:1
CBG-11B-1250	100 - 2000	100 - 2000 500 - 1000	11 ± 1.0 11 ± 1.0	±0.5 ±0.5	15 15	1.5 1.2	1.7:1 1.5:1
CBG-20B-1250	100 - 2000	100 - 2000 500 - 1000	20 ± 1.0 20 ± 1.0	±0.5 ±0.5	15 15	1.5 1.2	1.7:1 1.5:1

□ Coupling is referenced to the input

*Insertion Loss excludes Coupling Loss

GENERAL NOTES

1. Directional couplers find applications in monitoring of incident and reflected power, sampling for control loops as well as signal injection devices in BITE systems.
2. These Directional Couplers are 3 port devices with one port internally terminated. They also may be used back-to-back as Dual Directional Couplers, or ordered with both coupled ports available, as Bi-Directional Couplers in the CRG-B series.
3. Optional performance characteristics for this series include frequencies up to 2.5 GHz, coupling from 5 to 30 dB, close tolerance coupling and more.

GENERAL SPECIFICATIONS

Impedance 50 Ω nom.
 CW Input..... 1 W max.
 Weight, nominal..... 0.1 oz (2.8 g)
 Operating Temperature..... -55° to +85° C

PACKAGE OUTLINE

