

TECHNICAL FEATURE

FEATURES

- 5 - 1500 MHz
- Minimal Size and Weight
- 4-Port
- Multi-Octave Units
- Hi-Rel Surface Mount Package

PRINCIPAL SPECIFICATIONS

Model for Vapor Phase & IR Insertion	Frequency Range MHz	Performance Bandwidth MHz	⊠ Coupling Value, (dB) Nom.	Frequency Sensitivity, (dB) Max.	Directivity (dB) Min.	*Insertion Loss (dB) Max.	VSWR In/Out Max.
CRG-10B-255	5 - 500	5 - 500	10 ± 1.0	± 0.5	20	1.3	1.5:1
CRG-11B-1005	100 - 1500	100 - 1500 500 - 1000	11 ± 1.0 11 ± 1.0	± 0.5 ± 0.5	15 15	1.5 1.2	1.7:1 1.5:1
CRG-20B-1005	100 - 1500	100 - 1500 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
** at ambient, ± 1.5 over temperature

*Insertion Loss exludes Coupling Loss
*** at ambient, ± 0.75 over temperature

GENERAL NOTES

1. The CRG-B series of bi-directional couplers has both coupled ports available. Units may be ordered with one coupled port terminated internally with coupling values up to 30 dB and with coverage over selected frequency bands up to 2 GHz.
2. These units comply with MIL-DTL-15370 requirements and can be supplied screened for compliance with specifications you designate for military and aerospace applications requiring higher reliability.

GENERAL SPECIFICATIONS

Impedance 50 Ω nom.
 CW Input..... 1 W max.
 Weight, nominal..... 0.07 oz (2g)
 Operating Temperature..... -55° to +85° C

PACKAGE OUTLINE

