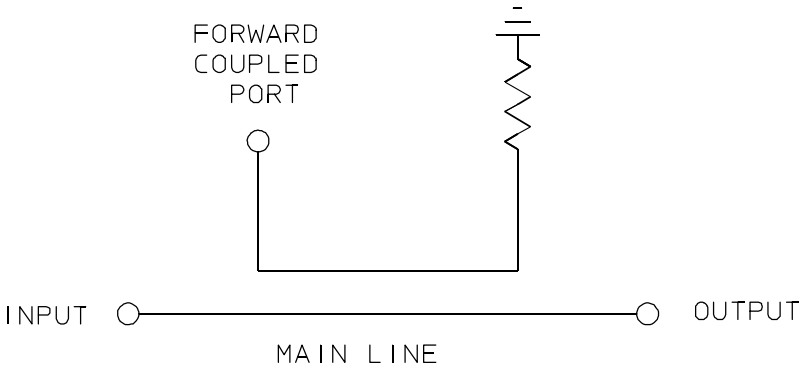
CBP-N Series WIDEBAND DIRECTIONAL COUPLERS

5 to 2000 MHz / Multi-Octave / Low Profile and Minimal Size / Requires No Lead-Forming / Meri-Pac



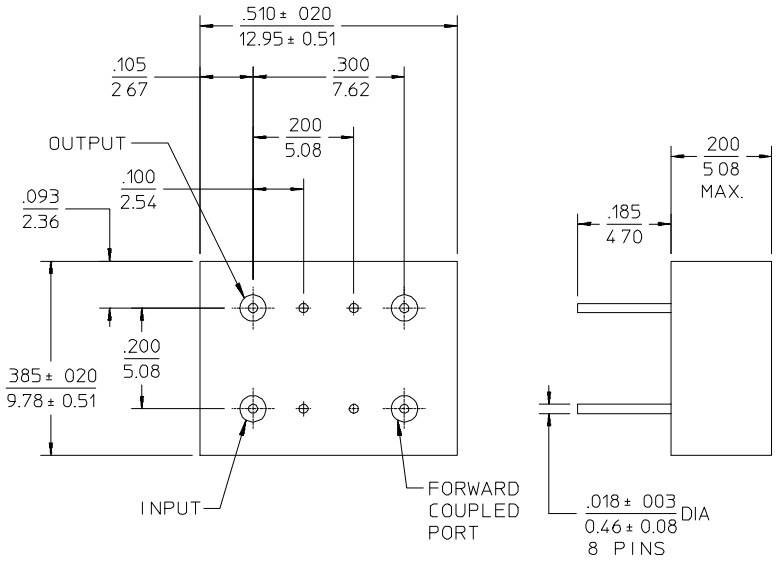
PRINCIPAL SPECIFICATIONS

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

¤ Coupling is Referenced to the Input

* Insertion Loss excludes Coupling Loss

Meri-Pac™ N-Package Outline



NOTES: 1. Tolerance on 3 place decimals ±.010(.25) except as noted.
2. Dimensions in inches over millimeters.
3. Lead dimensions apply only at body.
4. All unmarked pins are case ground.

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GENERAL SPECIFICATIONS

Impedance:	50 Ω nom.
CW Input:	1 W max.
Operating Temperature:	– 55° to +85°C

OPTIONS

Coupling Values:	5 to 30 dB
Frequency Bands	up to 2.5 GHz
Close tolerance Coupling:	± 0.5 dB
Bi-Directional Equivalents:	see CRP series

General Notes:

1. Directional couplers find application in monitoring incident and reflected power, signal sampling for control loops, as well as signal injection devices in BITE systems. These Directional Couplers may be used back-to-back as Dual Directional Couplers or ordered with both coupled ports available configured as Bi-Directional Couplers as in the CRP-N series.

2. Merrimac Couplers may be ordered with specific coupling values up to 30 dB and over selected frequency bands up to 18 GHz.

3. All Merrimac Couplers 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.

For further information contact ***MERRIMAC / 41 Fairfield Pl., West Caldwell, NJ, 07006 / 973-575-1300 / FAX 973-575-0531***