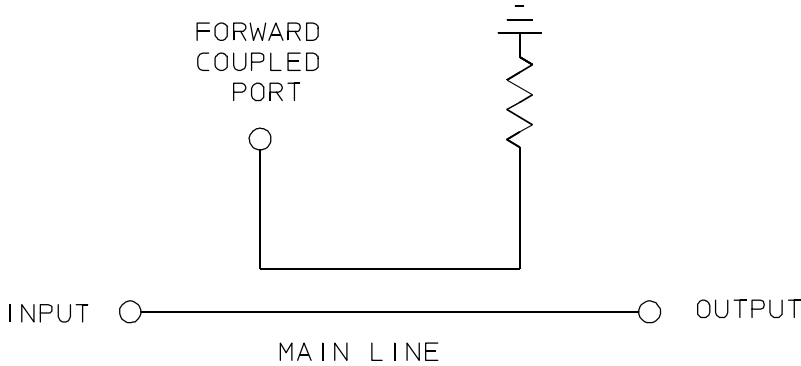


# CBP-N Series WIDEBAND DIRECTIONAL COUPLERS

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

www.DataSheet4U.com



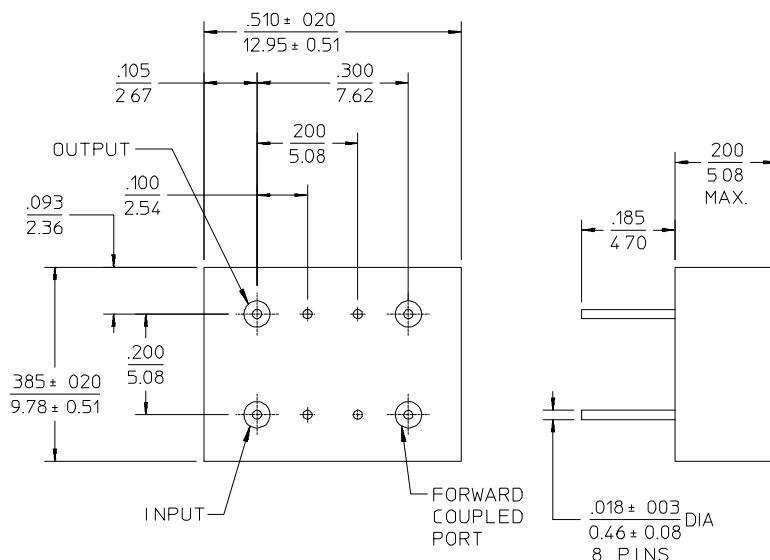
## PRINCIPAL SPECIFICATIONS

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 10 - 400	20 ± 1.0 20 ± 1.0	± 0.75 ± 0.5	18 20	1.0 0.6	1.5:1 1.3:1
CBP-11N-1250	100 - 2000	100 - 2000 500 - 1000	11 ± 1.0 11 ± 1.0	± 0.5 ± 0.5	18 20	1.5 1.2	1.7:1 1.5:1
CBP-20N-1250	100 - 2000	100 - 2000 500 - 1000	20 ± 1.0 20 ± 1.0	± 0.5 ± 0.5	18 20	1.5 1.2	1.7:1 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.