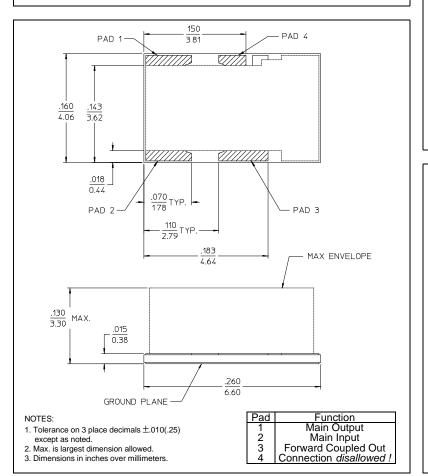
10 to 1000 MHz / 3-Port CaseFree / Miniature MMIC-Compatible Design / Minimal Size & Weight



PRINCIPAL SPECIFICATIONS	
Coupling, dB, Nom.	RF Bandwidth
11	10 to 1000 MHz
20	10 to 1000 MHz
	Coupling, dB, Nom.



## **GENERAL SPECIFICATIONS**

Frequency Sensitivity:  $\pm 1 \text{ dB}$ Impedance:  $\pm 0 \Omega \text{ nom.}$ 

Insertion Loss (above Coupling Value):

10 to 500 MHz: 1 dB max.

500 to 1000 MHz: 1.5 dB max.

Directivity: 10 to 300 MHz: 20 dB min.

300 to 800 MHz: 15 dB min. 800 to 1000 MHz: 13 dB min.

10 to 500 MHz: 1.5:1 max.

500 to 1000 MHz: 1.8:1 max.

CW Input: 1 W max.

Weight, Nominal: 0.007 oz. (200 mg)
Operating Temperature: -55° to +85°

## **General Notes:**

VSWR:

- 1. The CBZ-B CaseFree series are compatible with MMIC and other similar sub-miniature components in size and process. Their low 0.130" profile allows integration within hermetic packages using silver epoxy, solder or wire bonding attachment techniques.
- 2. Similarly constructed Couplers are available in the CRZ-B series, with both coupled ports unterminated for use as a 4 port Bi-Directional Coupler.
- 3. Applications of directional couplers include the monitoring of incident and reflected power, in signal sampling for control loops, as well as test signal injection devices in BITE systems.