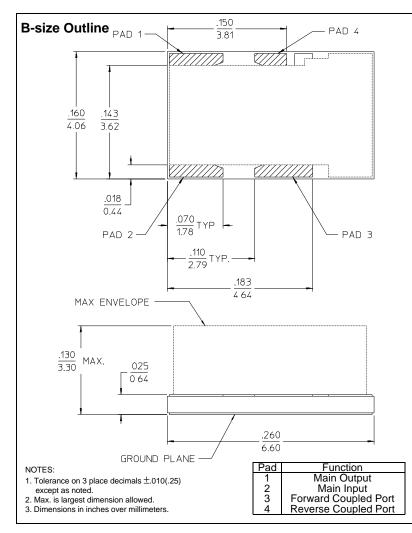
CRZ-B Series WIDEBAND DIRECTIONAL COUPLERS

10 to 1000 MHz / 4-Port / Miniature MMIC Compatible Design / Minimal Size and Weight / Case-Free



PRINCIPAL SPECIFICATIONS			
Model Number	Coupling, dB	RF Bandwidth	
CRZ-11B-500	11 ±1	10 to 1000 MHz	
CRZ-20B-50020 ±110 to 1000 MHzCoupling Value is referred to Input Port			



GENERAL SPECIFICATIONS

Impedance:		50 Ω nom.	
Frequency Sensitivity:		±1 dB, max.	
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.	
VSWR:	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:

1. Bi-directional couplers in the CRZ-B *CaseFree* series are size and process compatible with MMIC and other similar sub-miniature components. Their low 0.130" profile facilitates integration with hermetic packages using silver epoxy, solder or wire bonding attachment methods.

2. Similarly constructed couplers are available in the CBZ-B series with the "reverse coupled port" terminated for use as a 3-port directional coupler.

3. Applications of directional couplers include monitoring of incident and reflected power, signal sampling for control loops and test signal injection devices in BITE.