

TECHNICAL FEATURE

FEATURES

- Space Qualified
- 10 - 500 MHz
- High Reliability Hermetic Package

PRINCIPAL SPECIFICATIONS

Model Number	Frequency Range MHz	Coupling dB Nom.	Frequency Sensitivity, dB Max.	Insertion Loss, dB Max.	Directivity dB Min.	VSWR Max.	CW Power Rating Input
CBF-11A-500 SQ	10 - 1000 MHz	11 ± 1.0	±1	1.5	13	1.8:1	1 W

GENERAL NOTES

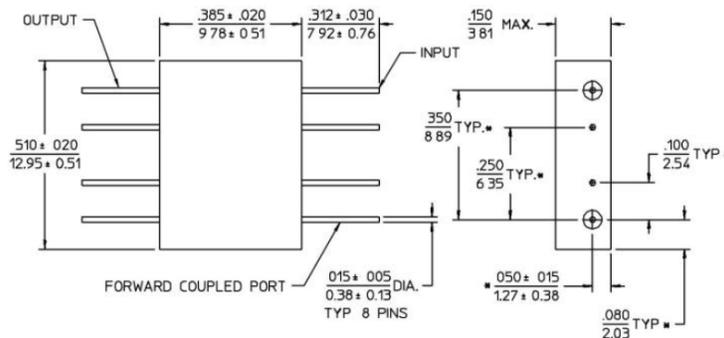
The CBF-11A-500 SQ Directional Coupler covers 10 - 1000 MHz. with a special lumped element design to reduce size, while maintaining high performance.

Parts, materials and processes are in accordance with Merrimac document CENG-0001, "Standard Design Requirements for Space Qualified Devices".

PERFORMANCE NOTES

Impedance 50 Ω nom.
 Operating Temperature..... -55° to +85° C
 Weight..... 0.1 oz (2.8g)

PACKAGE OUTLINE



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