

- SPACE QUALIFIED
- 100 - 2000 MHz DIRECTIONAL COUPLER
- INTERNALLY TERMINATED REVERSE PORT



**TECHNICAL DESCRIPTION / APPLICATION**

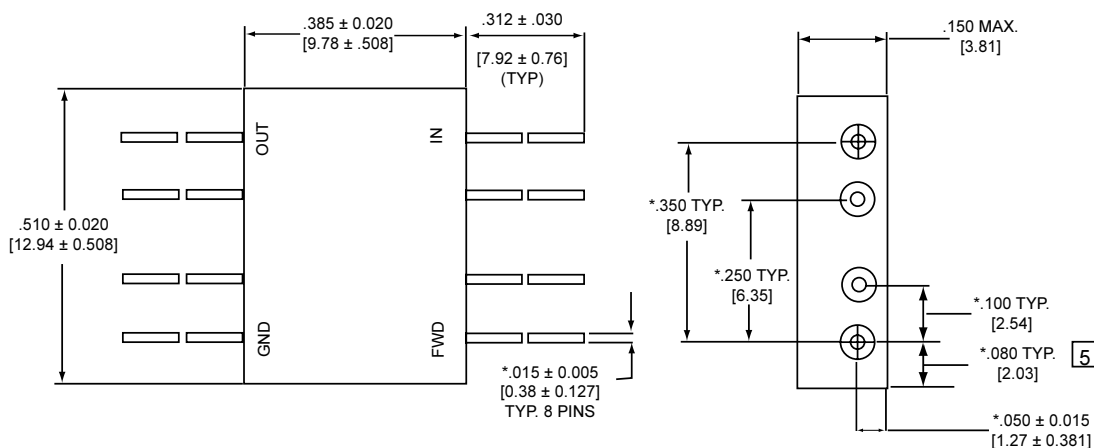
SERIES 03

The CBF-11A-1250 SQ Directional Coupler covers 100 - 2000 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".

**GENERAL SPECIFICATIONS**

MODEL NUMBER	FREQUENCY RANGE MHz	COUPLING dB	INSERTION LOSS dB MAX.	DIRECTIVITY dB MIN.	VSWR MAX.
CBF-11A-1250 SQ	100 - 2000	10.5 ± 1	1.5	18	1.7:1
<b>FREQUENCY SENSITIVITY dB MAX.</b>		<b>CW POWER RATING MAIN LINE MAX.</b>		<b>WEIGHT MAX.</b>	
± 0.5		1 WATT		2.8 g	

**PACKAGE OUTLINE**



NOTES:

1. TOLERANCE ON 3 PLACE DECIMALS ± .010 [.25mm] EXCEPT AS NOTED.
2. MAX. IS LARGEST DIMENSION ALLOWED.
3. DIMENSIONS = INCHES [mm]
4. METRIC EQUIVALENTS ARE TO THE NEAREST .01 mm.
5. ALL LEADS TO BE WITHIN ±.010 [.25mm] OF EACH OTHER AT THIS DIMENSION.
6. DIMENSIONS MARKED WITH \* APPLY ONLY AT BODY.
7. ALL UNMARKED PINS ARE CASE GROUND.



Directional Couplers

I&Q's/  
Mixers

Power Dividers

Quads/  
Hybrid Junction