



# CSM-10-3G SQ DIRECTIONAL COUPLER

REV: 002, 03/26/01

- SPACE QUALIFIED
- 2-4 GHz DIRECTIONAL COUPLER



## TECHNICAL DESCRIPTION / APPLICATION

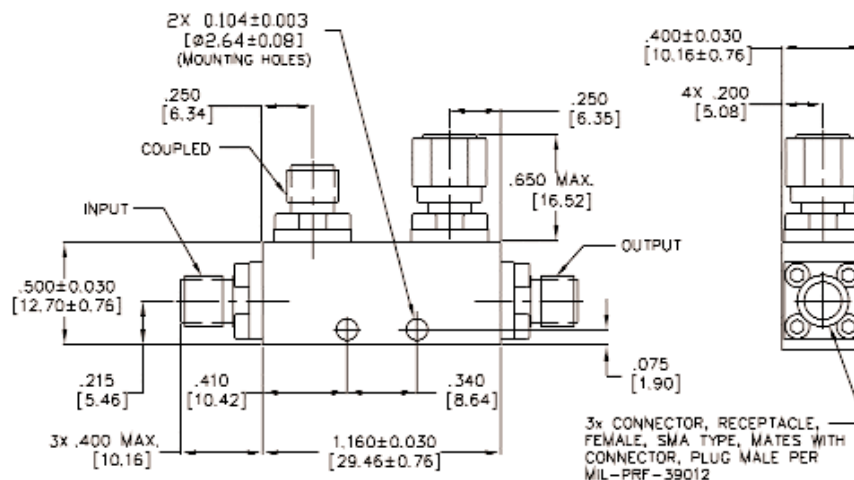
The CSM-10-3G SQ Directional Coupler covers 2-4 GHz with a stripline design. This offers low transmission loss and excellent VSWR. This unit has been designed, manufactured and qualified per Merrimac document CENG-0001, "Standard Design Requirements for Space Qualified Devices".

SERIES 03

## GENERAL SPECIFICATIONS

MODEL NUMBER	FREQUENCY RANGE GHz	COUPLING dB	INSERTION LOSS dB MAX.	DIRECTIVITY dB MIN.	VSWR MAIN, MAX.
CSM-10-3G SQ	2.0 - 4.0	10 +/- 1.25	0.25	20	1.15:1
VSWR COUPLED, MAX.	FREQUENCY SENSITIVITY dB MAX.	CW POWER RATING MAIN LINE			WEIGHT MAX.
1.15:1	+/- .75	10 WATTS			0.98 oz.

## PACKAGE OUTLINE



### NOTES:

1. TOLERANCE ON 3 PLACE DECIMALS  $\pm .020$  [.51mm] EXCEPT AS NOTED.
2. MAX. IS LARGEST DIMENSION ALLOWED.
3. DIMENSIONS=INCHES [mm]
4. METRIC EQUIVALENTS ARE TO THE NEAREST .01mm.
5. WEIGHT: .98 OZ. [28g] MAX.