CSM-20-6G SQ

DIRECTIONAL COUPLERS

REV: 006, 03/21/01

- SPACE QUALIFIED
- 4 - 8 GHz DIRECTIONAL COUPLER



SERIES 05

TECHNICAL DESCRIPTION / APPLICATION

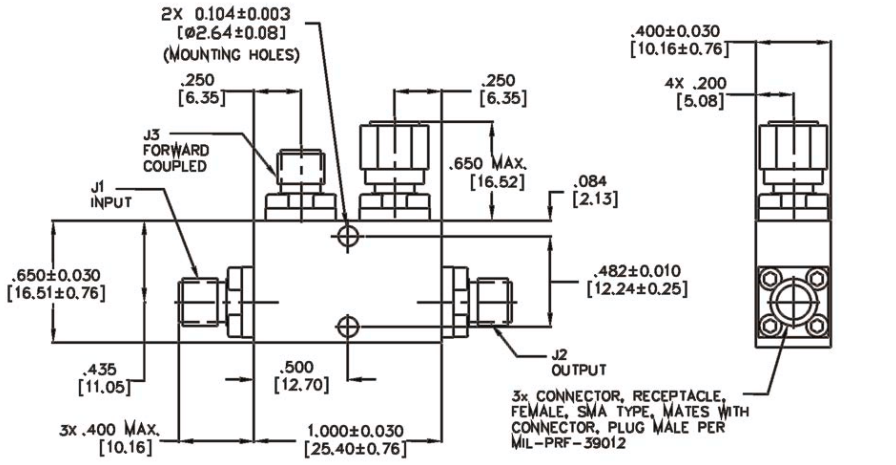
The CSM-20-6G SQ Directional Coupler covers 4-8 GHz with a stripline design. This offers low transmission loss and excellent VSWR. This unit has been designed, manufactured and qualified per Merrimac document CENG-0001, “Standard Design Requirements for Space Qualified Devices”.

GENERAL SPECIFICATIONS

MODEL NUMBER	FREQUENCY RANGE GHz	COUPLING dB	INSERTION LOSS dB MAX.	DIRECTIVITY dB MIN.	VSWR MAIN, MAX.
CSM-20-6G SQ	4.0 - 8.0	20 +/- 1.25	0.3	19	1.25:1

VSWR COUPLED, MAX.	FREQUENCY SENSITIVITY dB MAX.	CW POWER RATING MAIN LINE	WEIGHT MAX.
1.25:1	+/- .75	30 WATTS	.88 oz.

PACKAGE OUTLINE



NOTES:
1. TOLERANCE ON 3 PLACE DECIMALS ±.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: .88 OZ. [25g] MAX.

Merrimac Industries, RF & Microwave Products Division / 41 Fairfield Place, West Caldwell, NJ 07006
Tel: 973.575.1300 / Fax: 973.575.0531 / Internet: www.Merrimacind.com