



CTM-10-12G SQ DIRECTIONAL COUPLERS

REV: 002, 02/05/01

- SPACE QUALIFIED
- 6 - 18 GHz DIRECTIONAL COUPLER



TECHNICAL DESCRIPTION / APPLICATION

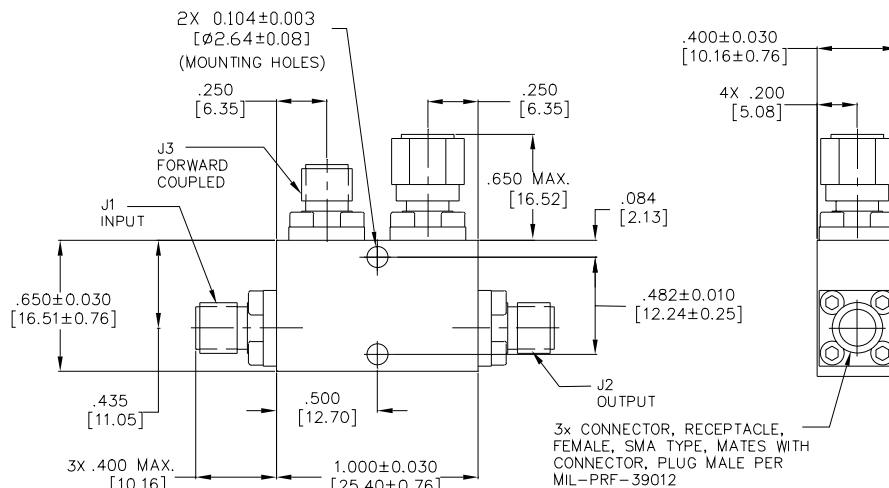
SERIES 05

The CTM-10-12G SQ Directional Coupler covers 6 - 18 GHz with a stripline design. This offers low transmission 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.
CTM-10-12G SQ	6 - 18	10 +/- 1.25	0.90	14	1.45:1
VSWR COUPLED, MAX.	FREQUENCY SENSITIVITY dB MAX.	CW POWER RATING MAIN LINE	OPERATING TEMPERATURE	WEIGHT	
1.45:1	+/- 1.0	10 WATTS	-55° to +85° C	0.88 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.