

- SPACE QUALIFIED
- 0.5 - 2.0 GHz DIRECTIONAL COUPLER



**TECHNICAL DESCRIPTION / APPLICATION**

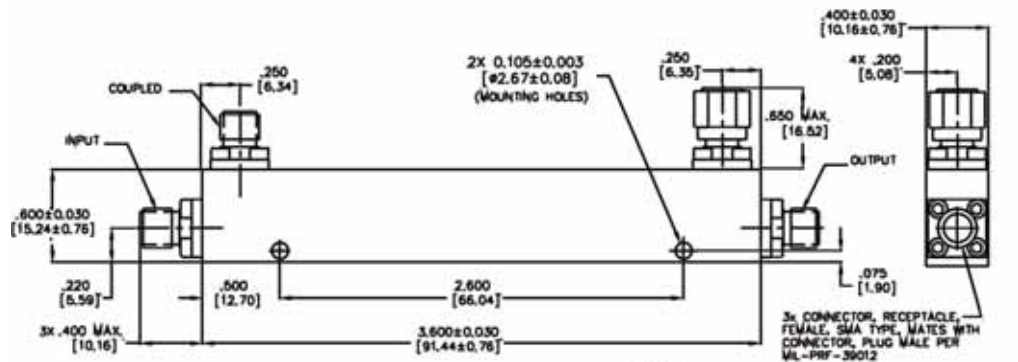
SERIES 05

The CTM-20-1.25G SQ Directional Coupler covers 0.5 - 2.0 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-20-1.25G SQ	0.5 - 2.0	20 +/- 1.0	0.35	22	1.20:1
VSWR COUPLED, MAX.	FREQUENCY SENSITIVITY dB MAX.	CW POWER RATING MAIN LINE			WEIGHT MAX.
1.20:1	+/- 1.0	10 WATTS			

**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: 2.11 OZ. [60g] MAX.