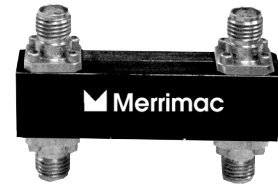


- SPACE QUALIFIED
- 1.1 - 1.6 GHz, QUADRATURE HYBRID, SMA



**TECHNICAL DESCRIPTION / APPLICATION**

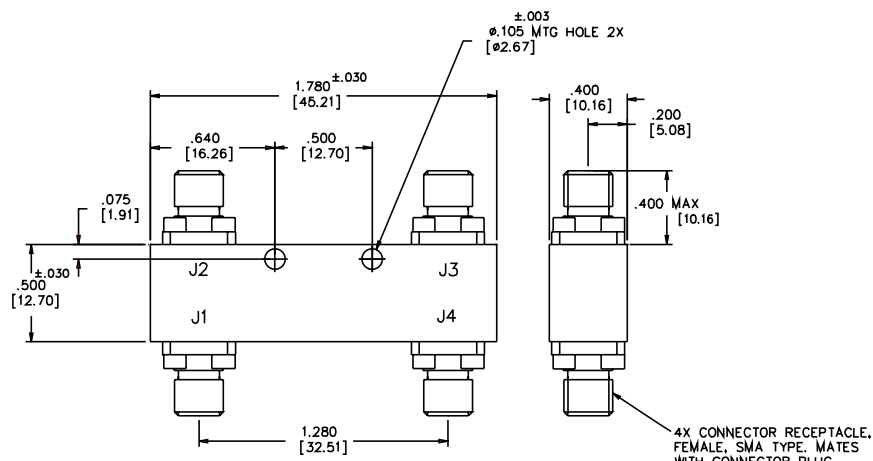
SERIES 03

The QHM-2-1.5G SQ Quadrature Hybrid Divider/Combiner covers 1.1 - 1.6 GHz. It uses a rugged stripline design which provides high isolation and low 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	ISOLATION dB MIN.	INSERTION LOSS MAX.	AMPLITUDE BALANCE MAX.	VSWR MAX.
QHM-2-1.5G SQ	1.1 - 1.6	23 dB	0.3 dB	0.5 dB	1.15:1
PHASE BALANCE	CW INPUT POWER	IMPEDANCE NOM.	OPERATING TEMPERATURE	WEIGHT MAX.	
90° ± 2°	10 W	50 OHM	-55° to +85 ° C	1 oz.	

**PACKAGE OUTLINE**



NOTES:

1. TOLERANCE ON 3 PLACE DECIMALS ±.020 (.51mm) EXCEPT AS NOTED.
2. DIMENSIONS =  $\frac{\text{INCHES}}{\text{[mm]}}$
3. METRIC EQUIVALENTS ARE TO THE NEAREST .01mm.
4. WEIGHT: 1.0 OZ. MAX [28.4 GRAMS]



Directional Couplers

I&Q's/ Mixers

Power Dividers

Quads/ Hybrid Junction