

TECHNICAL FEATURE

FEATURES

- 6.9 - 8.5 GHz
- SMA
- Space Qualified

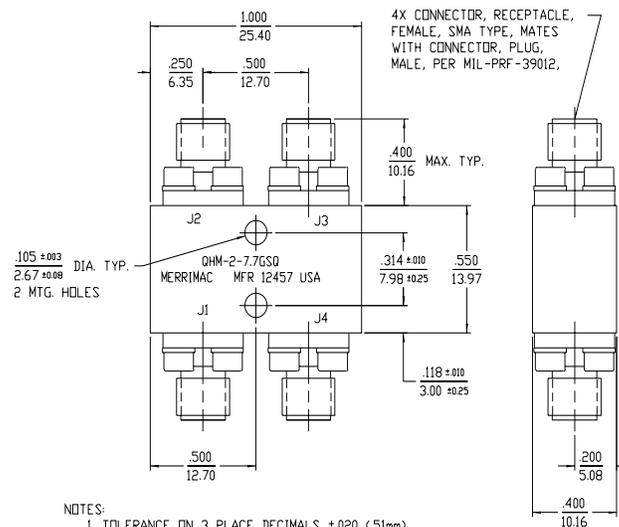
PRINCIPAL SPECIFICATIONS

Model Number	Frequency Range GHz	Isolation dB Min.	Insertion Loss, dB Max.	Amplitude Balance dB Max.	VSWR Max. In	Phase Balance dB Max.	CW Input Power	Impedance Nom.	Operating Temperature
QHM-2-7.7G SQ	6.9 - 8.5	18	0.5	0.5	1.25:1	90° ± 4°	25 W	50 OHM	-55° to +85° C

GENERAL NOTES

The QHM-2-7.7G SQ Quadrature Hybrid Power Divider/Combiner covers 6.9-8.5 GHz. It uses a wideband stripline design which provides high isolation and low VSWR. This unit has been designed, manufactured, and tested per Merrimac document CENG-0001, "Standard Design Requirements for Space Qualified Devices."

PACKAGE OUTLINE



- NOTES:
1. TOLERANCE ON 3 PLACE DECIMALS ±.020 (.51mm) EXCEPT AS NOTED.
 2. MAX. IS LARGEST DIMENSION ALLOWED.
 3. DIMENSIONS=INCHES
 4. METRIC EQUIVALENTS ARE TO THE NEAREST .01mm
 5. WEIGHT: 0.75 OZ MAX.