

TECHNICAL FEATURE

FEATURES

- Space Qualified
- High Power
- 1 - 18 GHz
- SMA-Connector

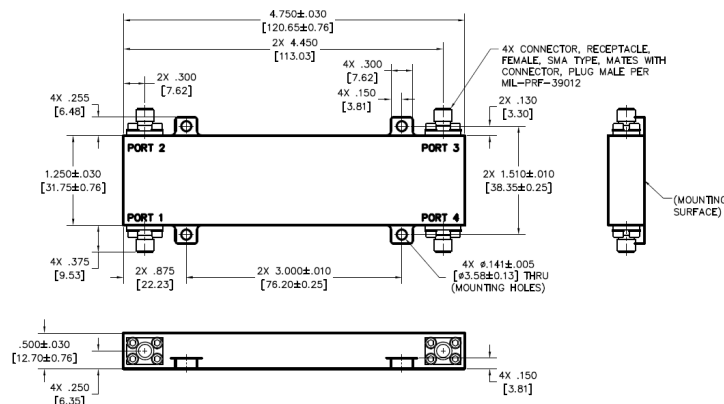
PRINCIPAL SPECIFICATIONS

Model Number	Frequency Range GHz	Isolation dB Min.	Coupling Loss dB, Nom.	Amplitude Balance, P-P dB Max.	Insertion Loss dB Max.	VSWR Max.	Phase Balance Deg. Max.	CW Input Power Watt, Max.	Impedance Nom.	Operating Temperature
QHM-4R-9.5G SQ	1 - 18.0	13	3.1	2.0	2.7	1.7:1	90° ± 12°	2	50 OHM	-55° to +85° C

GENERAL NOTES

The QHM-4R-9.5G SQ Quadrature Hybrid Divider/Combiner covers 1- 18 GHz. It uses a rugged 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. DIMENSIONS = INCHES
[mm]
 3. METRIC EQUIVALENTS ARE TO THE NEAREST .01mm.