

90° DIVIDERS/COMBINERS - QHM-2-1.8G SQ

TECHNICAL FEATURE

FEATURES

- Space Qualified
- 1.7 - 1.9 GHz
- Quadrature Hybrid, SMA



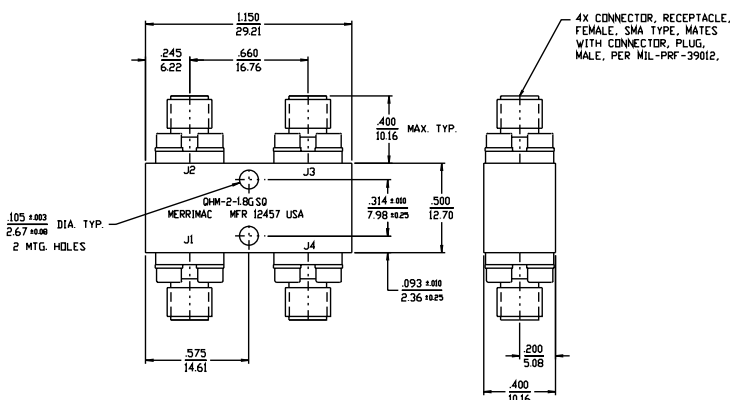
PERFORMANCE

Frequency Range.....	1.7 - 1.9 GHz
Isolation.....	22 dB min.
Insertion Loss.....	0.3 dB max.
Amplitude Balance.....	0.5 dB max.
VSWR.....	1.20:1 max.
Phase Balance.....	90° ± 2°
CW Input Power.....	10 W
Impedance.....	50 OHM nom.
Operating Temperature.....	-55° to +85° C

DESCRIPTION

The QHM-2-1.8G SQ Quadrature Hybrid Divider/Combiner covers 1.7 - 1.9 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".

PACKAGE OUTLINE



- NOTES:
1. TOLERANCE ON 3 PLACE DECIMALS ±.020 (51mm) EXCEPT AS NOTED
 2. DIMENSIONS IN INCHES OVER MILLIMETERS.
 3. METRIC EQUIVALENTS ARE TO THE NEAREST .01mm.
 4. WEIGHT: 1.0 OZ MAX.

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