

90° DIVIDERS/COMBINERS - QHM-2-0.450G SQ

TECHNICAL FEATURE

FEATURES

- Space Qualified
- 400 - 500 MHz
- Quadrature Hybrid, SMA



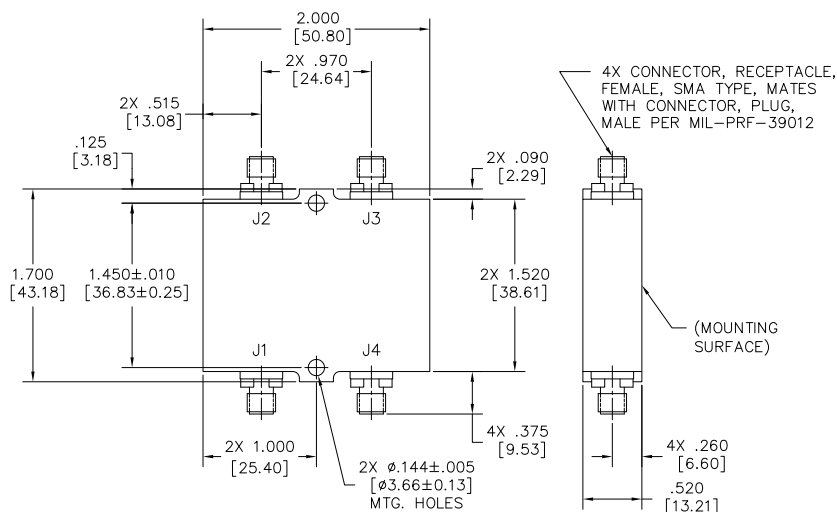
PERFORMANCE

Frequency Range.....	400 - 500 MHz
Isolation.....	25 dB min.
Insertion Loss.....	0.25 dB max.
Amplitude Balance.....	0.5 dB max.
VSWR.....	1.15:1 max.
Phase Balance.....	90° ± 2°
CW Input Power.....	10 W
Impedance.....	50 OHM nom.
Operating Temperature.....	-55° to +85° C

DESCRIPTION

The QHM-2-.450G SQ Quadrature Hybrid Divider/Combiner covers 400-500 MHz. 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 [0.51mm] EXCEPT AS NOTED.
2. DIMENSIONS IN INCHES OVER MILLIMETERS.
3. METRIC EQUIVALENTS ARE TO THE NEAREST .01mm.
4. WEIGHT: 3.75 OZ. MAX.