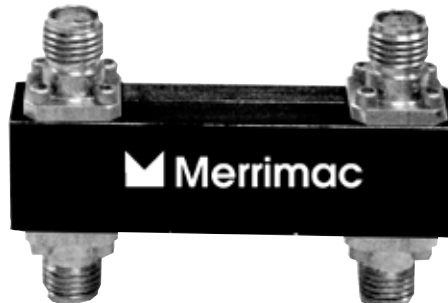


# 90° DIVIDERS/COMBINERS - QHM-4R-10G SQ

## TECHNICAL FEATURE

### FEATURES

- Space Qualified
- 2.0 - 18.0 GHz
- Quadrature Hybrid, SMA



### PERFORMANCE

Frequency Range.....	2.0 - 18.0 GHz
Isolation.....	17 dB min.
Insertion Loss.....	1.5 dB max.
Amplitude Balance.....	1.2 dB max.
VSWR.....	1.35:1 max.
Phase Balance.....	90° ± 7°
CW Input Power.....	10 W
Impedance.....	50 OHM nom.
Operating Temperature.....	-55° to +85° C

### DESCRIPTION

The QHM-4R-10G SQ Quadrature Hybrid Divider/Combiner covers 2.0 -18.0 GHz. The phase relationship is 0° to the port directly opposite and +90° to the port on the diagonal. 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

