- SPACE QUALIFIED
- 2.0 - 18.0 GHz, QUADRATURE HYBRID, SMA



TECHNICAL DESCRIPTION / APPLICATION

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”.

GENERAL SPECIFICATIONS

MODEL NUMBER	FREQUENCY RANGE GHz	ISOLATION dB MIN.	INSERTION LOSS MAX.	AMPLITUDE BALANCE MAX.	VSWR MAX.
QHM-4R-10G SQ	2.0 - 18.0	17 dB	1.5 dB	1.2 dB	1.35:1
PHASE BALANCE	**CW INPUT POWER**	**IMPEDANCE NOM.**	**OPERATING TEMPERATURE**	**WEIGHT MAX.**	
90° ± 7°	10 W	50 OHM	-55° to +85 ° C	3.5 oz.	

PACKAGE OUTLINE

