

### TECHNICAL FEATURE

#### FEATURES

- Space Qualified
- High Power
- 3.0 - 6.0 GHz
- K-Connector

### PRINCIPAL SPECIFICATIONS

Model Number	Frequency Range GHz	Isolation dB Min.	Coupling Loss, dB Max.	Frequency Sensitivity dB Max.	VSWR Max. In	Phase Balance dB Max.	CW Input Power	Impedance Nom.	Operating Temperature
QHK-2-4.5G SQ	3.0 - 6.0	18	3.2 ± 0.7	± 0.5	1.30:1	90° ± 4°	10 W	50 OHM	-55° to +85° C

### GENERAL NOTES

The QHK-2-4.5G SQ Quadrature Hybrid Divider/Combiner covers 3.0 - 6.0 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

