

### TECHNICAL FEATURE

### FEATURES

- Space Qualified
- 26.2 - 27.2 GHz
- K-Connectors

### PRINCIPAL SPECIFICATIONS

Model Number	Frequency Range GHz	Isolation dB Min.	Insertion Loss, dB Max.	Amplitude Balance dB Max.	VSWR Max. In	Phase Balance dB Max.	CW Input Power	Impedance Nom.	Operating Temperature
QHK-4R-26.7G SQ	26.2 - 27.2	14	1.5	1.5	1.7:1	90° ± 10°	1 W	50 OHM	-55° to +85° C

### GENERAL NOTES

The QHK-4R-26.7G SQ Quadrature Hybrid Divider/Combiner covers 26.2 - 27.2 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

