

# QHK-R-G SERIES – 90° POWER DIVIDERS/COMBINERS

## TECHNICAL FEATURE

### FEATURES

- 60 to 40 GHz
- Multi-Octave Bandwidth
- Low Insertion Loss
- High Isolation
- K-Connectors

### PRINCIPAL SPECIFICATIONS

Model Number	Frequency Range, GHz	Isolation, dB, Min.	Amplitude Balance, dB, Max.	Phase Tolerance, Max.	Insertion Loss, dB, Max.	VSWR, All Ports Max.	Weight oz.(g) Nom.
QHK-4R-23G	6 - 40	13	2.0	90° ± 10°	1.6	2.0:1	1.8 (50)
QHK-4R-29G	18 - 40	13	2.0	90° ± 10°	1.6	2.0:1	1.8 (50)

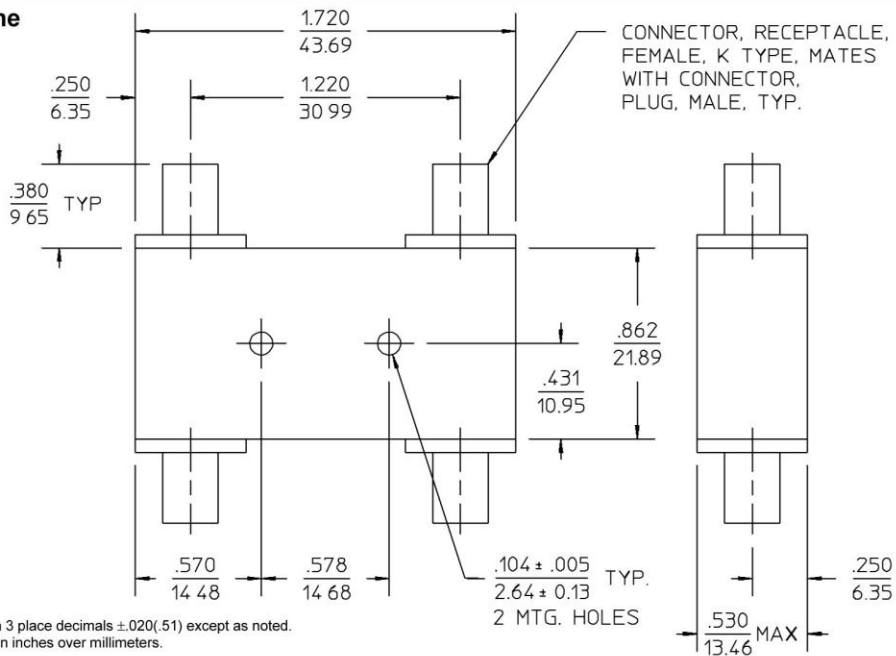
#### General Notes:

1. The QHK-4R series of 3 dB quadrature hybrid couplers covers 6 to 40 GHz using stripline circuits for high isolation and low loss.
2. These units are provided with K-series connectors for high reliability and low VSWR to beyond 40 GHz.

### GENERAL SPECIFICATIONS

Coupling:	– 3 dB nom.
Impedance:	50 Ω nom.
CW Input:	1 W max.
Operating Temperature:	– 55° to +85°C

#### Package Outline



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