

Quadrature Hybrids to 40 GHz

- SMA, 2.92mm and 2.4mm connectors available.
- 0.5 – 40 GHz, Octave and Multi-octave Bandwidths
- Low Insertion Loss
- High Isolation
- Designed to meet MIL-DTL-23971
- Environmental Screening Available



Frequency Range (GHz)	Connectors	Model Number	Isolation (dB, min.)	Amplitude Balance (dB, max.)	Phase Tolerance (deg, max.)	Insertion Loss (deg, max.)	VSWR All Ports
							(x.xx:1, max.)
0.5 - 9.0	SMA jack	QH-18S-4.7G	18	1.0	90 ± 5	1.30	1.40
1.0 - 18.0	SMA jack	QH-18S-9.5G	17	1.0	90 ± 10	1.80	1.35
2.0 - 18.0	SMA jack	QH-9S-10G	17	1.2	90 ± 7	1.20	1.40
6.0 - 26.5	SMA jack	QH-5S-16G	14	1.3	90 ± 8	1.20	1.60
6.0 - 40.0	2.92mm jack	QH-7K-23G	13	2.0	90 ± 10	1.60	2.00
18.0 - 40.0	2.92mm jack	QH-3K-29G	13	2.0	90 ± 10	1.60	2.00

Other frequency bands and connectors available.

Electrical Specifications

Impedance: 50 Ω, nominal

Mechanical & Environmental Specifications

Operating Temperature -55 to +85 °C



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