

# Quadrature Hybrids to 16 GHz

- 0.5 – 16 GHz, Octave and Multi-octave Bandwidths
- Low Insertion Loss
- Low VSWR
- Designed to meet MIL-DTL-23971
- Environmental Screening Available



Frequency Range (GHz)	Connectors	Model Number	Coupling Loss (db, max.)	Freq. Sensitivity (dB, max.)	Isolation (dB, min.)	CW Input Power (W)	Peak Input Power (kW)	Main Line VSWR
								(x.xx:1, max.)
0.5 -1.0	SMA jack	QH-2S-.75G	3.1 ± 0.6	± 0.5	28	50	3	1.10
1.0 - 2.0	SMA jack	QH-2S-1.5G	3.1 ± 0.6	± 0.5	28	50	3	1.10
2.0 - 4.0	SMA jack	QH-2S-3G	3.1 ± 0.6	± 0.5	22	50	3	1.20
2.6 - 5.2	SMA jack	QH-2S-4G	3.1 ± 0.6	± 0.5	20	50	3	1.25
4.0 - 8.0	SMA jack	QH-2S-6G	3.2 ± 0.7	± 0.5	18	50	3	1.25
6.0 -12.4	SMA jack	QH-2S-9G	3.2 ± 0.7	± 0.5	18	50	3	1.30
7.5 - 16.0	SMA jack	QH-2S-12G	3.4 ± 0.9	± 0.6	15	50	2	1.40
2.0 - 8.0	SMA jack	QH-4S-5G	3.3 ± 0.8	± 0.4	17	30	3	1.30
4.0 - 12.4	SMA jack	QH-3S-8G	3.3 ± 0.8	± 0.4	15	20	2	1.40

**Other frequency bands and connectors available.**

#### Electrical Specifications

Impedance: 50 Ω, nominal

#### Mechanical & Environmental Specifications

Operating Temperature -55 to +85 °C



122 Banner Road  
Stroudsburg, PA 18360-6433 USA

+1(570) 424-8400  
[www.MegaPhase.com](http://www.MegaPhase.com)