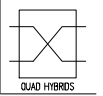


QHS-6 Series 90° POWER DIVIDERS / COMBINERS

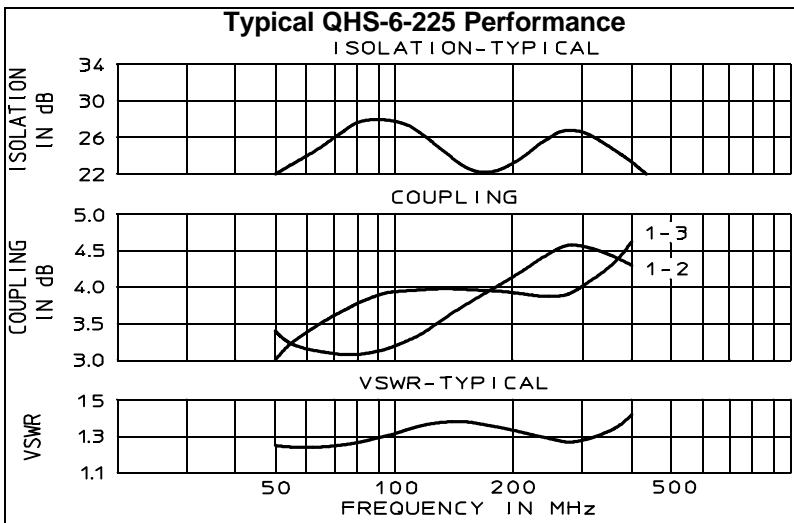
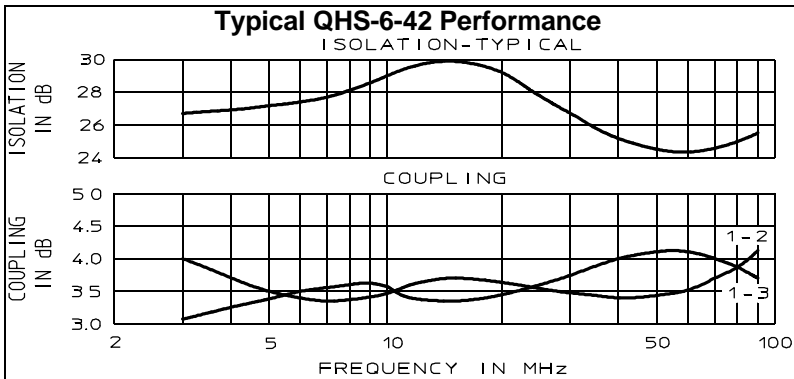
2 to 400 MHz / Ultra-Wide Bandwidth / Low Insertion Loss / Low Ripple / High Isolation / PC Mount



Phasing Diagram - C				
	1	2	3	4
1		ref.	+90°	Isol.
2	ref.		Isol.	-90°
3	-90°	Isol.		ref.
4	Isol.	+90°	ref.	

PRINCIPAL SPECIFICATIONS

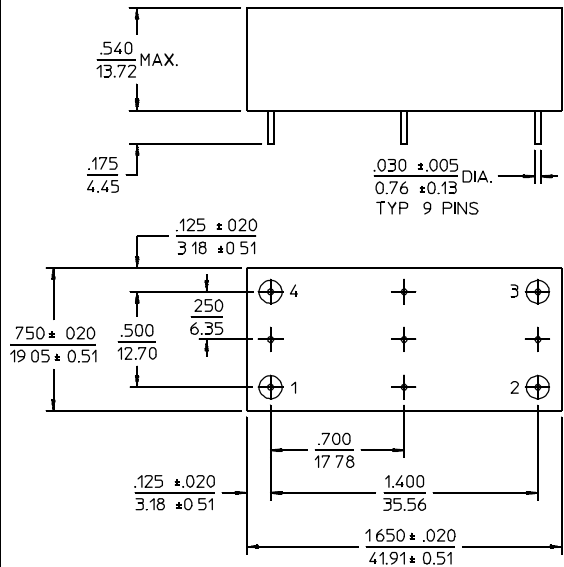
Model Number	Frequency Range, MHz	Bandwidth Ratio	Amplitude Balance, dB, Max.		Insertion Loss, dB, Typ. Max.		Isolation, dB, Min.	Phase Tolerance	VSWR, Max.
QHS-6-17	2 - 32	16:1	1.0	1.0	1.0	1.5	20	90° ± 3°	1.30:1
QHS-6-42	3.5 - 80	23:1	1.0	1.0	1.0	1.5	20	90° ± 3°	1.35:1
QHS-6-165	30 - 300	10:1	1.0	1.0	1.0	1.5	18	90° ± 3°	1.40:1
QHS-6-225	50 - 400	8:1	1.0	1.0	1.0	1.5	15	90° ± 5°	1.50:1



GENERAL SPECIFICATIONS

Coupling: - 3 dB nom.
 Impedance: 50 Ω nom.
 CW Input: 1 Watt max.
 Weight, nominal: 1.1 oz (31 g)
 Operating Temperature: -55° to +85°C

Package Outline



NOTES: 1. Tolerance on 3 place decimals ±.010(.25) except as noted.
 2. Dimensions in inches over millimeters.

20Feb96

General Notes:

The QHS-6 series of multi-section wideband quadrature hybrids covers 2 to 400 MHz using a special lumped element design to minimize size while preserving its excellent electrical performance characteristics.