QHS-6 SERIES – 90° POWER DIVIDERS/COMBINERS

TECHNICAL FEATURE

FEATURES

- 2 to 32 MHz
- Ultra-Wide Bandwidth
- Low Insertion Loss
- Low Ripple
- High Isolation
- PC

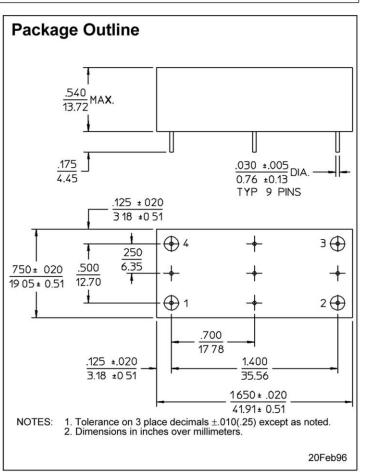
PRINCIPAL SPECIFICATIONS											
Model Number	Frequency Range, MHz	Bandwidth Ratio	Amplitude Balance, dB, Max.		rtion s, dB, Max.	lsolation, dB, Min.	Phase Tolerance	VSWR, Max.			
QHS-6-17	2 - 32	16:1	1.0	1.0	1.5	20	$90^{\circ}\pm3^{\circ}$	1.30:1			

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				

General Notes:

The QHS-6 series of multi-section wideband quadrature hybrids covers 2 to 32 MHz using a special lumped element design to minimize size while preserving its excellent electrical performance characteristics.

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





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