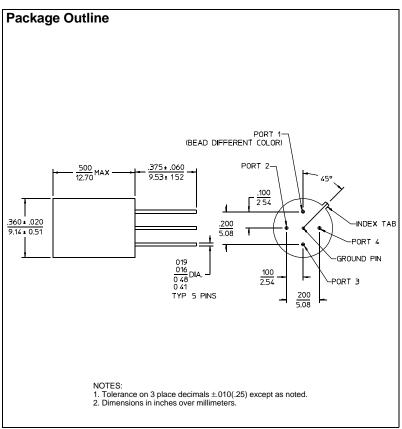
1 to 400 MHz / 30% Bandwidth Standard / Low Insertion Loss / High Isolation / TO-5 Package



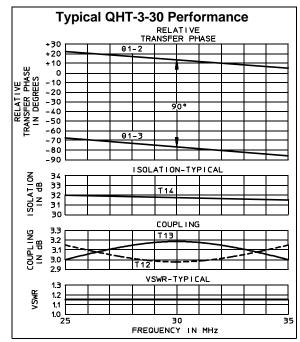
Phasing Diagram - A				
	1	2	3	4
1		ref.	90°	Isol.
2	ref.		Isol.	90°
3	90°	Isol.		ref.
4	Isol.	90°	ref.	

PRINCIPAL SPECIFICATIONS				
Model	Center	Usable		
Number	Frequency, fo	Bandwidth, MHz		
QHT-3-60	60 MHz	51 - 69		
QHT-3-***B	1 to 400 MHz	f _o ± 15%		
For complete Model Number replace *** with desired Center Frequency, foin MHz.				



GENERAL SPECIFICATIONS

Coupling: - 3 dB nom. Isolation: 20 dB min. Insertion Loss: 0.5 dB max. $90^{\circ} \pm 3^{\circ}$ max. Phase Tolerance: Amplitude Balance: 0.5 dB max. Impedance: 50Ω nom. VSWR: 1.3:1 max. CW Input: 1 Watt max. Weight, nominal: 0.1 oz. (2.8 g) Operating Temperature: - 55° to +85°C



General Notes

- 1. The QHT-3 series of two-section hybrids covers 1 to 400 MHz using a special lumped element design to minimize size while maintaining high performance. The TO-5 package used is suitable for aerospace applications where inherent package reliability and hermeticity are essential.
- 2. These units comply with MIL-P-23971 and can be supplied screened for compliance with additional specifications for military and space applications requiring the highest reliability.

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