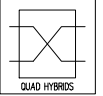


QHF-2A Series 90° POWER DIVIDERS / COMBINERS

1 to 1000 MHz / 10% Bandwidth Standard / Low Insertion Loss / Low Profile Hermetic Package



PRINCIPAL SPECIFICATIONS

Model Number	Center Frequency, f_o , MHz	Usable Bandwidth, MHz	Isolation, dB, Min.	Insertion Loss, dB, Max.	Phase Tolerance, Max.	Amplitude Balance, dB, Max.	VSWR, Max.	CW Input*, W
QHF-2A-60	60	57 - 63	23	0.3	$90^\circ \pm 2^\circ$	0.75 dB	1.3:1	1
QHF-2A-***B	1 -1000 MHz	$f_o \pm 5\%$	23	0.3	$90^\circ \pm 2^\circ$	0.75 dB	1.3:1	1

For complete Model Number replace *** with desired Center Frequency, f_o in MHz.

*CW input power with 1.2:1 VSWR_{out}

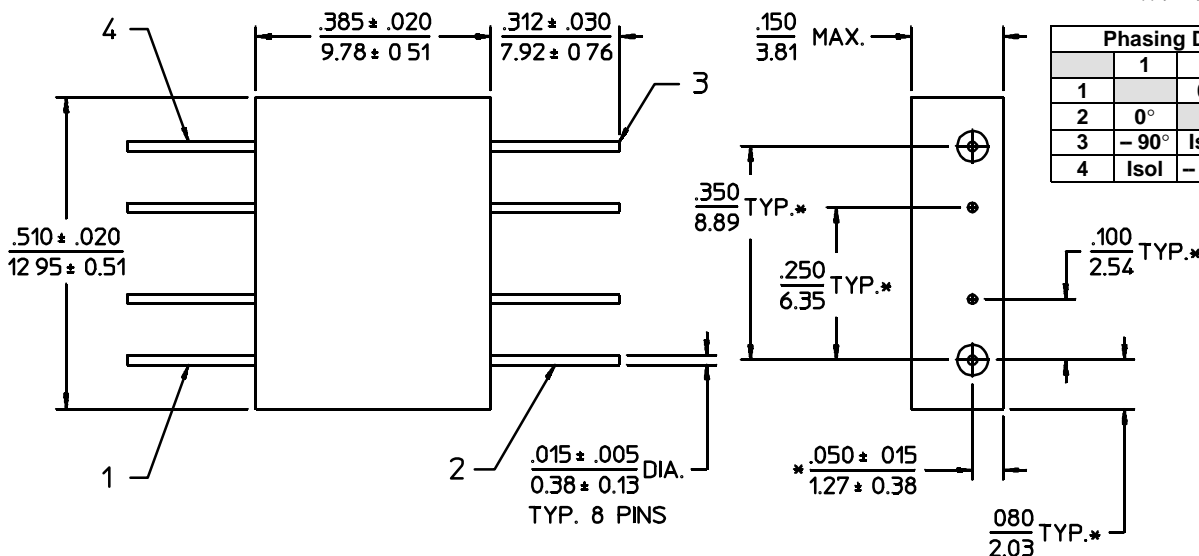
General Notes:

1. The QHF-2A series of Quadrature Hybrids covers 1 MHz to 1000 MHz using special lumped element circuits to minimize parts count and size for applications requiring an ultra-miniature package. High performance is achieved in the 0.385" by 0.5" flatpack housing that is ideally suited to aerospace applications where inherent package reliability and hermeticity are essential.

GENERAL SPECIFICATIONS

Coupling: - 3 dB nom.
 Weight: 0.1 oz (2.8g) nom.
 Impedance: 50 Ω nom.
 Operating Temperature: - 55° to +85°C

A- Flatpack Outline



NOTES: 1. Tolerance on 3 place decimals ±.010(.25) except as noted.
 2. Dimensions in inches over millimeters.
 3. All unmarked pins are case ground.
 4. Dimensions marked with * apply only at body.

	1	2	3	4
1		0°	-90°	Isol
2	0°		Isol	-90°
3	-90°	Isol		
4	Isol	-90°	0°	

20Feb96