

PRINCIPAL SPECIFICATIONS

Model Number	Center Frequency, f_0	Frequency Performance
QHF-22A-***B	5 to 300 MHz	30% of f_0

For complete model number, replace *** with center frequency in MHz

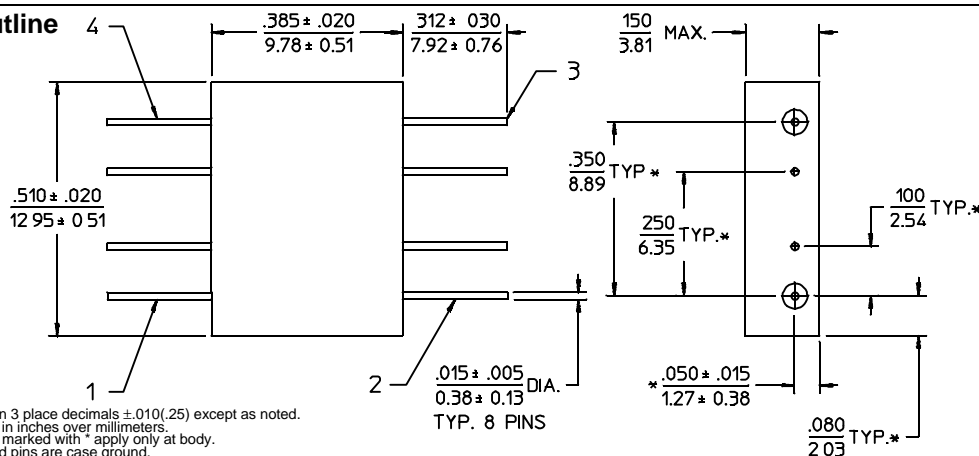
GENERAL SPECIFICATIONS

Coupling: - 3 dB nom.
 Impedance: 50 Ω nom.
 Isolation: 20 dB min.
 25 dB typ.
 Insertion Loss: 0.75 dB max.
 0.3 dB typ.
 Phase Tolerance: 90° \pm 2° max.
 Amplitude Balance: 0.5 dB max.
 0.25 dB typ.
 VSWR (In/Out): 1.3:1 max.
 Input Level: 4W max.(1.2:1 VSWR_{out})
 (@ 25°C; derated to 1 W @ 85°C)
 Weight, nominal: 0.1 oz (2.8 g)
 Operating Temp: - 55° to +85°C

Phasing Diagram - B

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

A-Flatpack Outline



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

General Notes:

1. The QHF-22A series covers 5 to 300 MHz using a special lumped element design to minimize package size and cost. This series features a low 0.15" profile package suitable for applications where an ultra-miniature package is essential. The 0.385" by 0.5" flatpack which houses these 3 dB Quadrature Hybrids is suited to both terrestrial and aerospace applications where inherent package reliability and hermeticity are essential.

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