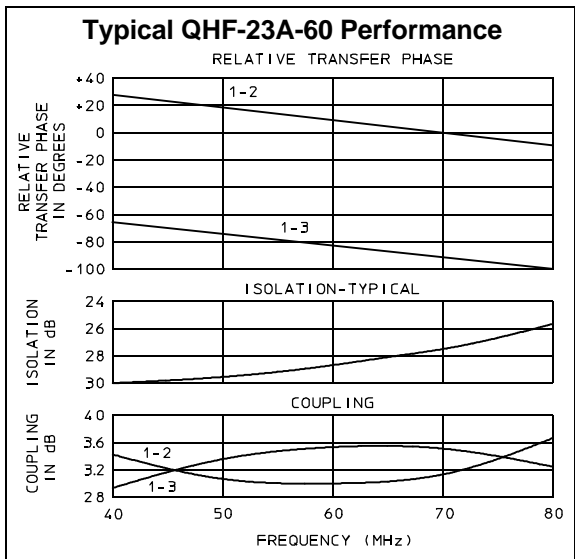
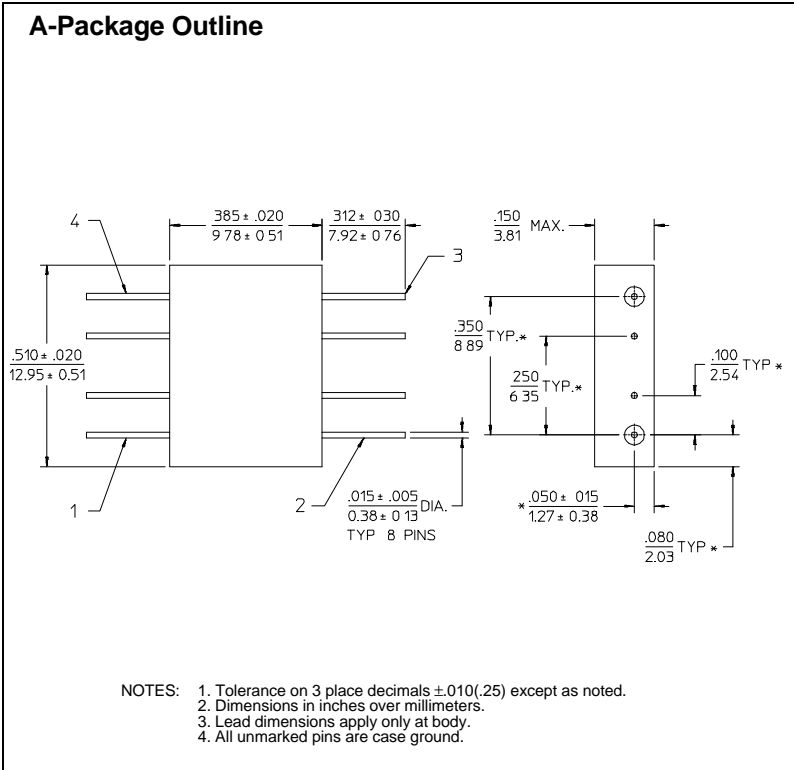


	1	2	3	4
1		0°	-90°	Isol.
2	0°		Isol.	-90°
3	-90°	Isol.		0°
4	Isol.	-90°	0°	

Model Number	Center Frequency	Frequency Performance
QHF-23A-160	160 MHz	107 - 214 MHz
QHF-23A-1000	1000 MHz	750 - 1250 MHz
QHF-23A-***B	1 to 300 MHz	Octave

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

Coupling:	- 3 dB nom.
Impedance:	50 Ω nom.
Isolation:	
< 300 MHz:	20 dB min., 25 dB typ.
> 300 MHz:	18 dB min., 22 dB typ.
Insertion Loss:	
< 75 MHz:	0.5 dB max., 0.3 dB typ.
> 75 MHz:	0.75 dB max., 0.5 dB typ.
Phase Tolerance:	90° ± 3° max.
Amplitude Balance:	1 dB max.
VSWR (In/Out):	
< 300 MHz:	1.3:1 max.
> 300 MHz:	1.5:1 max.
CW Input:	1 W max.
Weight, nominal:	0.1 oz (2.8 g)



**General Notes:**

1. The QHF-23A series of 3 dB Quadrature Hybrids covers 1 to 1250 MHz using special lumped element designs to minimize size for high performance in applications requiring small size. The 0.385" by 0.5" flatpack which houses these 3 dB Quadrature Hybrids is ideally suited to aerospace applications where inherent package reliability and hermeticity are essential.

20Feb96