

# QHM-6 SERIES – 90° POWER DIVIDERS/COMBINERS

## TECHNICAL FEATURE

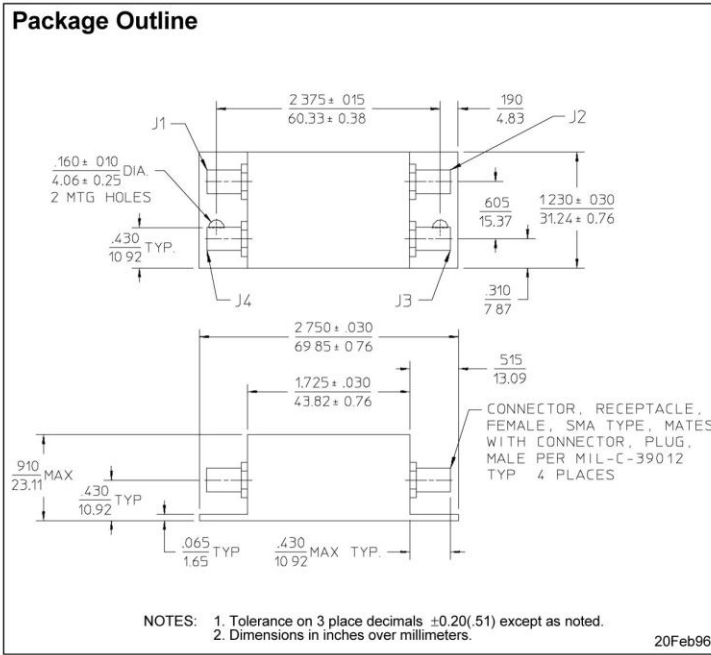
### FEATURES

- 2 to 400 MHz
- Multi-Octave Bandwidths
- High Isolation
- Uniform Phase & Amplitude Balance
- SMA

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

<b>PRINCIPAL SPECIFICATIONS</b>				
Model Number	Frequency Range, MHz	Phase Tolerance, Max.	Isolation, dB, Min.	VSWR, Max.
QHM-6-42	3.5 - 80	90° ± 3°	20	1.35:1

<b>GENERAL SPECIFICATIONS</b>	
Coupling:	- 3 dB nom.
Insertion Loss:	1.5 dB max. 1 dB typ.
Amplitude Balance:	1 dB max.
Impedance:	50 Ω nom.
CW Input:	1 Watt
Connectors:	SMA Female
Weight, nominal:	1.3 oz. (37 g)
Operating Temp.:	- 55° to +85°C



**General Notes:**

1. The QHM-6 series of multi-octave quadrature hybrid couplers covers 3.5 to 80 MHz using multi-section lumped element circuits resulting in a compact, sturdy package.

