

# QH & QHM-7 SERIES – 90° POWER DIVIDERS/COMBINERS

## TECHNICAL FEATURE

### FEATURES

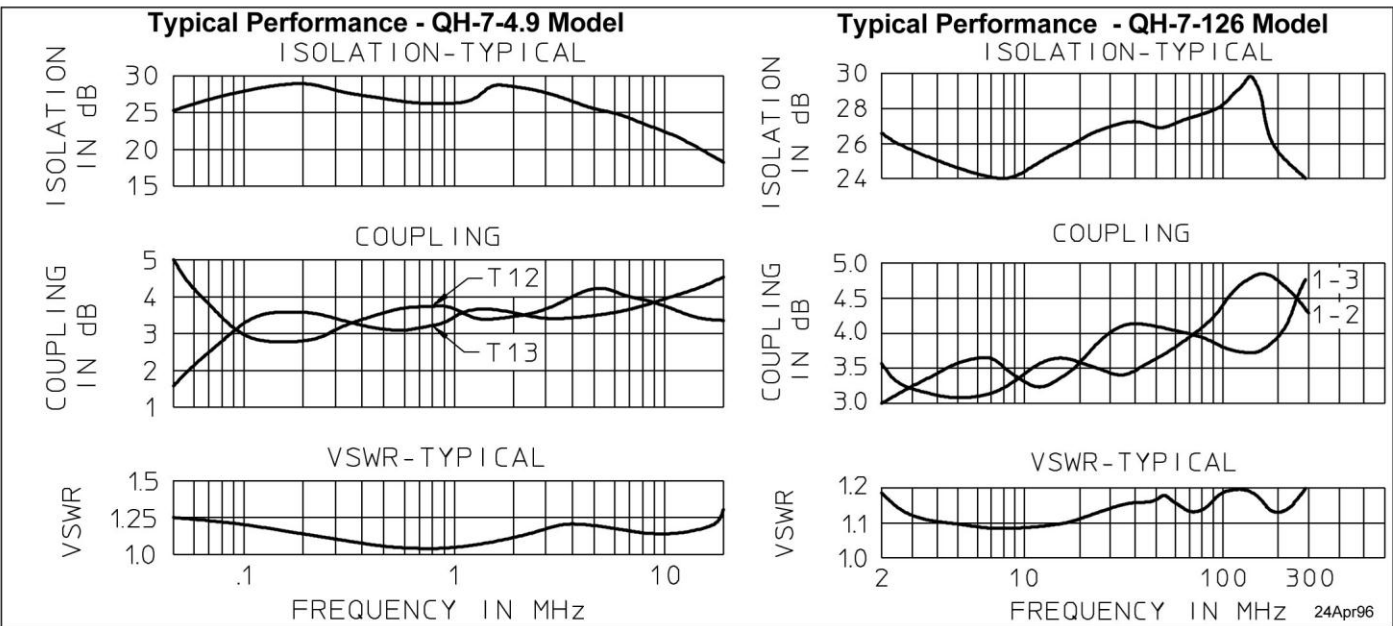
- 100 kHz to 250 MHz
- Multi-Section Lumped Element Designs
- BNC & SMA Versions

<b>PRINCIPAL SPECIFICATIONS</b>										
Model Number, BNC	Model Number, SMA	Freq. Range, MHz	Amplitude Balance, dB, Max.	Band-width Ratio	Insertion Loss, dB, Max.	Phase Tolerance	VSWR, Max.	Isolation, dB, Min.	Weight, oz.(g) Nom.	
QH-7-4.9	QHM-7-4.9	0.1 - 10	1.0	100 : 1	1.5	90° ± 5°	1.3:1	20	16(448)	
QH-7-15	QHM-7-15	0.5 - 30	1.0	60 : 1	1.5	90° ± 3°	1.3:1	20	7(196)	
QH-7-17	QHM-7-17	2 - 32	1.0	16 : 1	1.0	90° ± 3°	1.3:1	20	7(196)	
QH-7-41	QHM-7-41	2 - 80	1.0	40 : 1	1.5	90° ± 3°	1.3:1	20	7(196)	
QH-7-126	QHM-7-126	2 - 250	1.3	125 : 1	2.0	90° ± 6°	1.4:1	18	7(196)	

**General Notes:**  
 1. The QH-7 Series consists of multi-octave models with bandwidth ratios ranging from 16:1 to 125:1. Their function is to split an input signal into two equal amplitude, isolated outputs having a quadrature phase relationship. Conversely, these units may be used to combine two quadrature phased, equal amplitude signals into a single output.

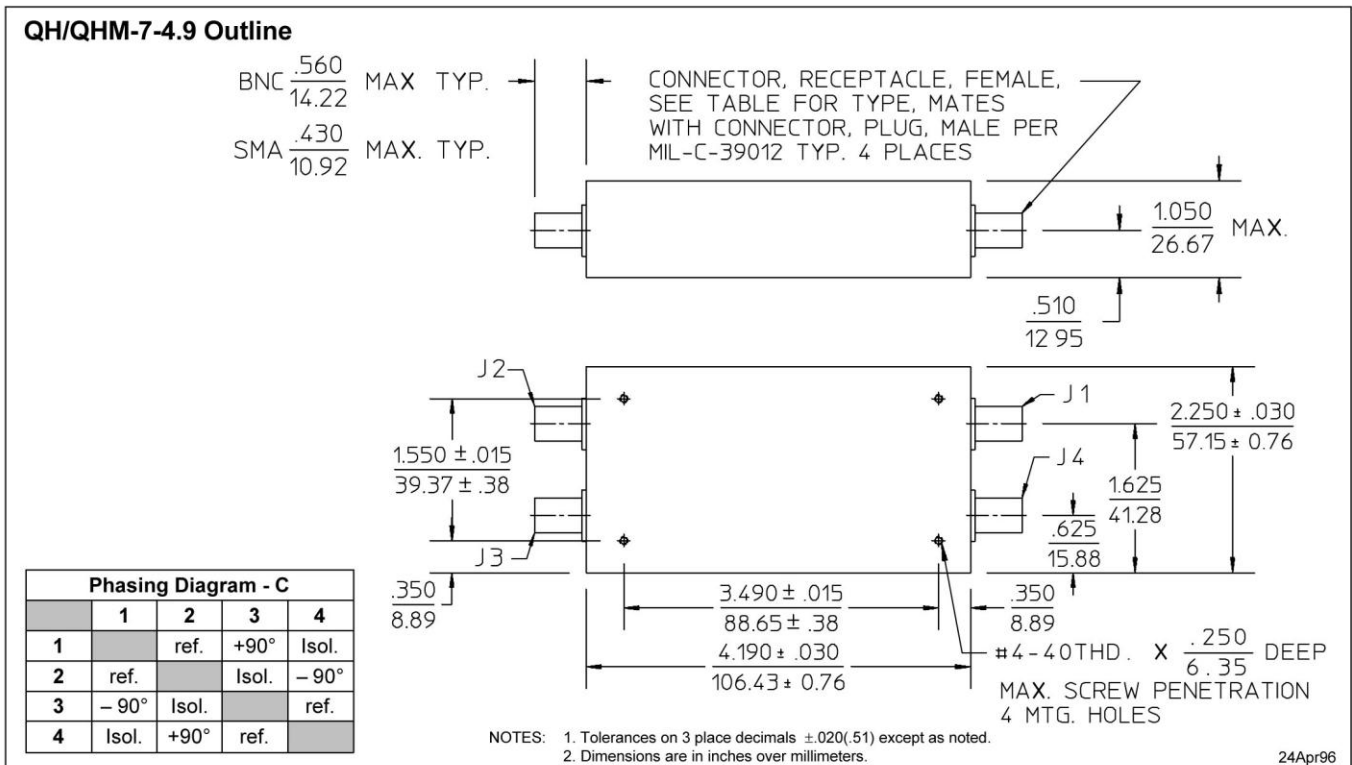
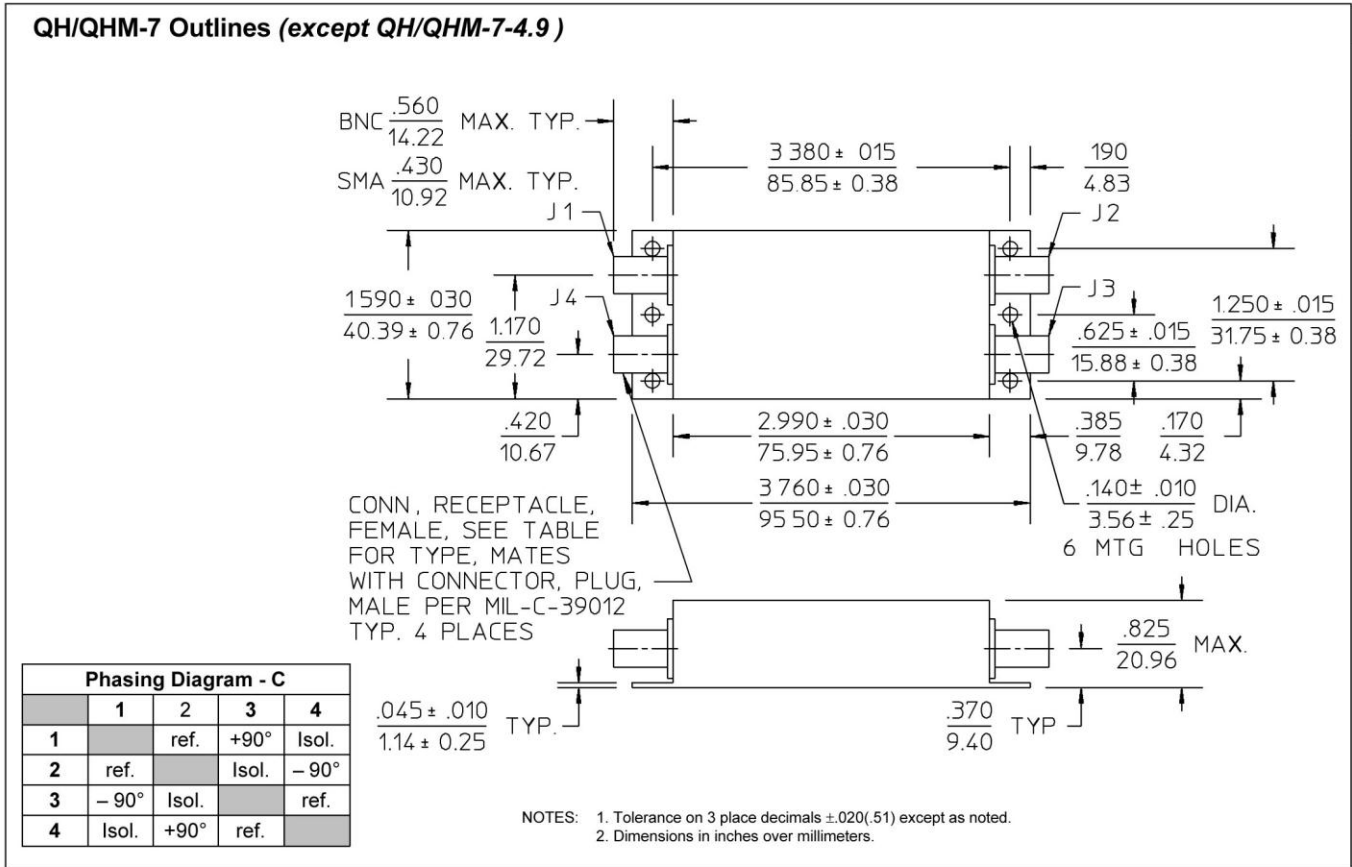
**GENERAL SPECIFICATIONS**

Nominal Coupling: – 3 dB nom.  
 CW Input: 1 W max. (1.2:1 VSWR<sub>out</sub>)  
 (0.1 W for QH-7-4.9)  
 Impedance: 50 Ω nom.  
 Operating Temp: – 55° to +85°C



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## PACKAGE OUTLINE



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