

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

TECHNICAL FEATURE

FEATURES

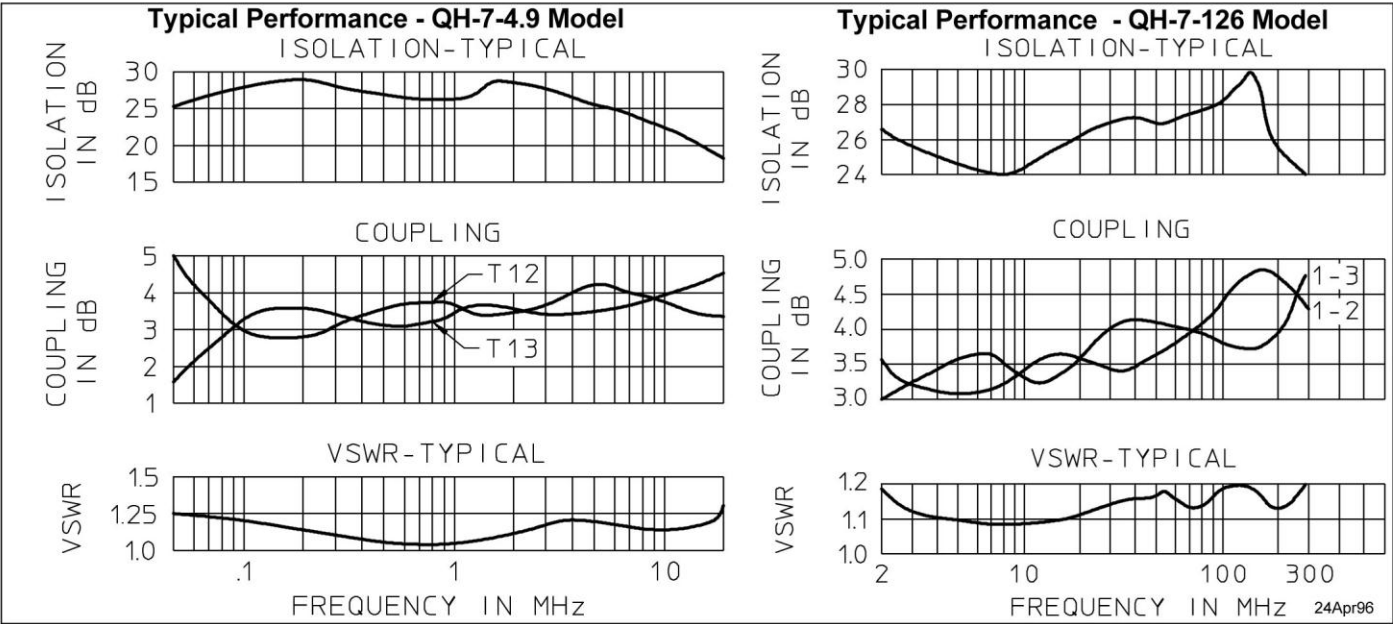
- 100 kHz to 250 MHz
- Multi-Section Lumped Element Designs
- BNC & SMA Versions

PRINCIPAL SPECIFICATIONS										
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.

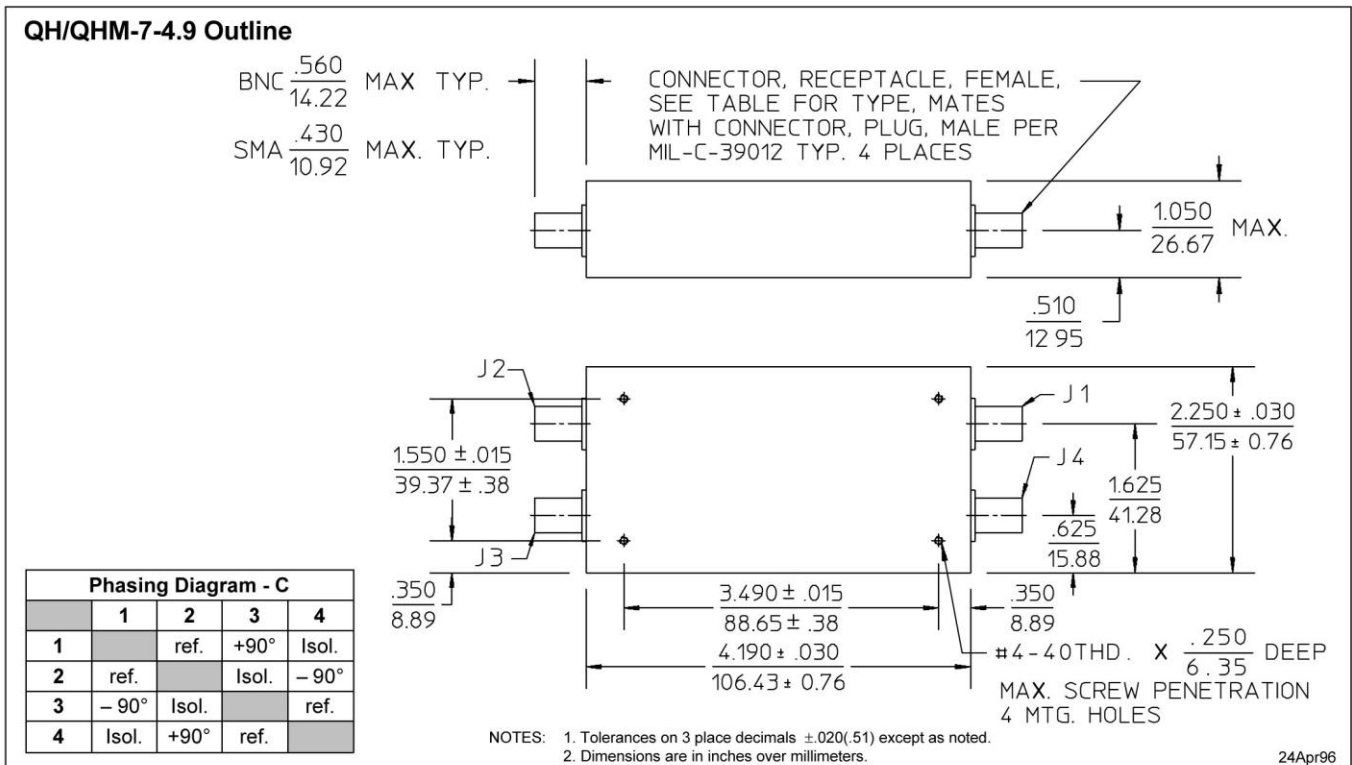
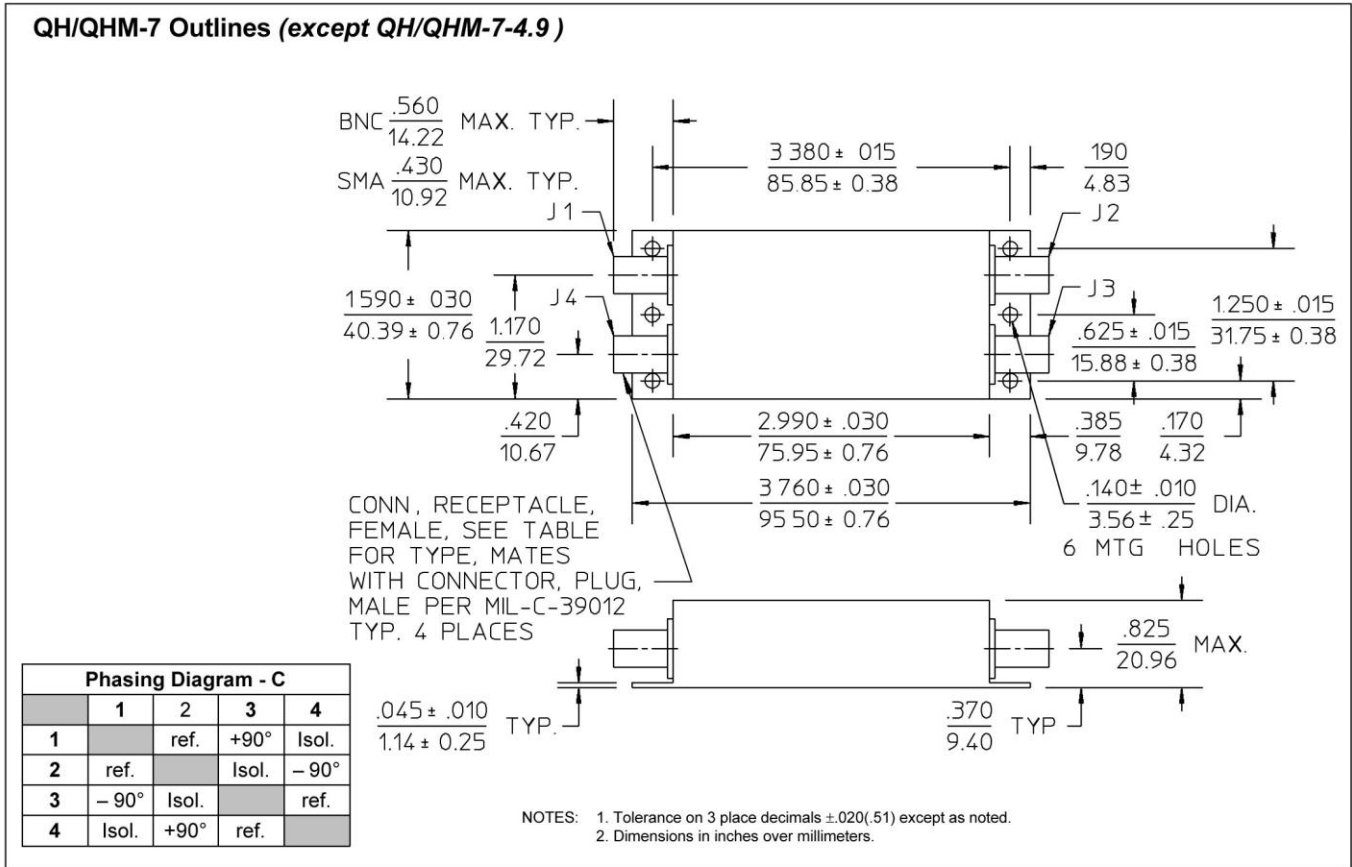
GENERAL SPECIFICATIONS

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



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PACKAGE OUTLINE



QH-QHM7.doc. This revision supersedes all previous releases. All technical information is believed to be accurate, but no responsibility is assumed for errors. We reserve the right to make changes in products or specifications without notice. Copyright © 2013 Crane Electronics, Inc. All rights reserved.