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TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

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along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

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- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

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Find the *Crane / Merrimac QH-7-4.9* at our website: *Click HERE*

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)

Datasheet.Wiki

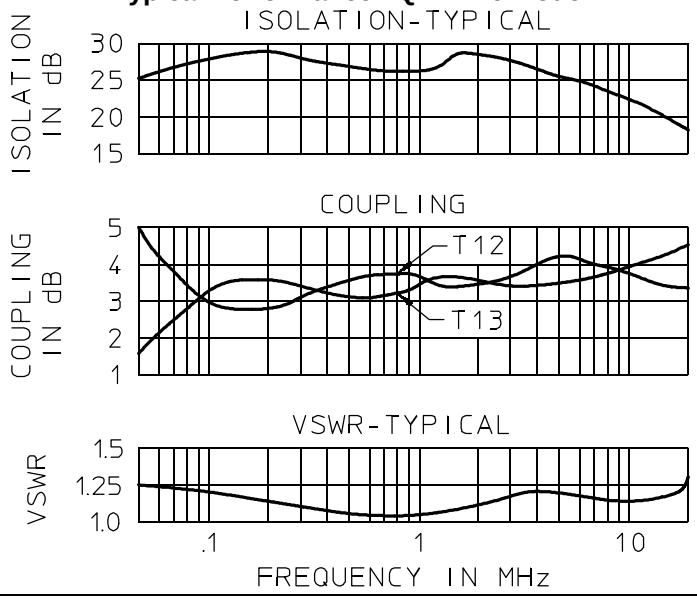
General Notes:

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.

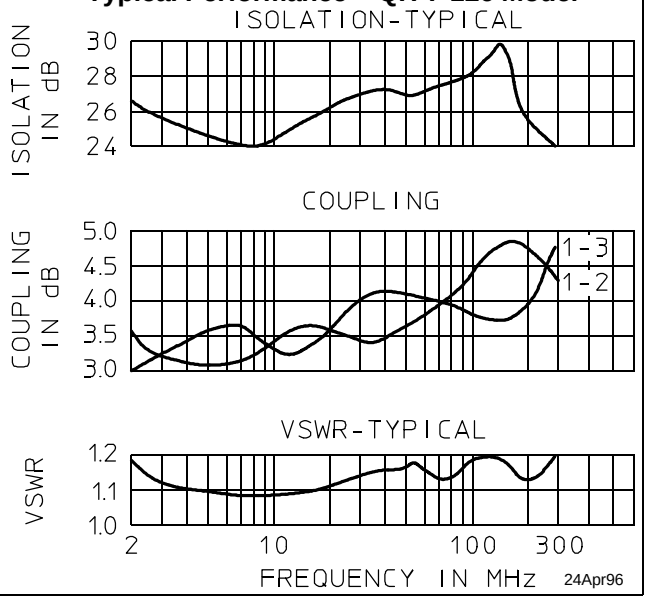
GENERAL SPECIFICATIONS

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

Typical Performance - QH-7-4.9 Model



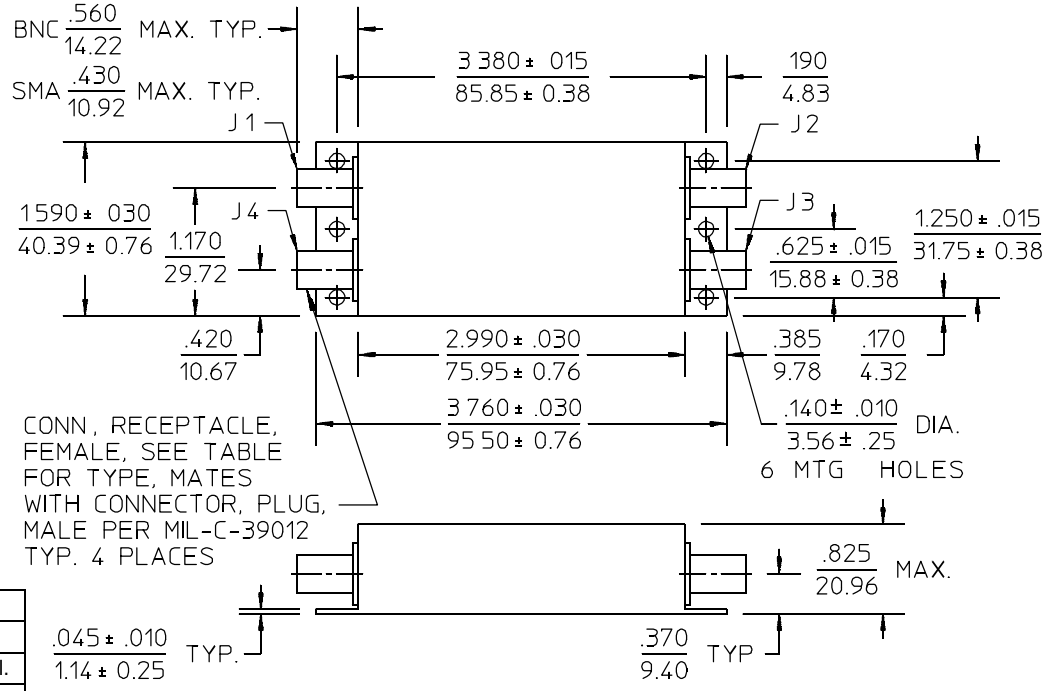
Typical Performance - QH-7-126 Model



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For further information contact *MERRIMAC / 41 Fairfield Pl, West Caldwell, NJ, 07006 / 973-575-1300 / FAX 973-575-0531*

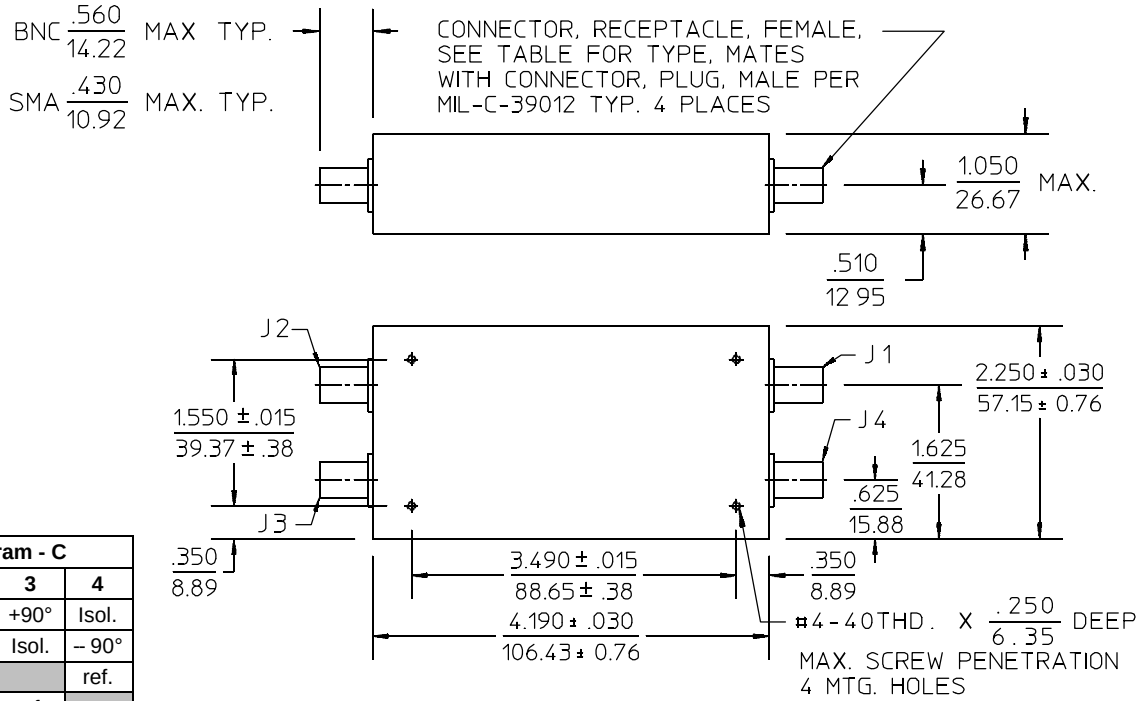
QH/QHM-7 Outlines *(except QH/QHM-7-4.9)*



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

NOTES: 1. Tolerance on 3 place decimals ±.020(.51) except as noted.
2. Dimensions in inches over millimeters.

QH/QHM-7-4.9 Outline



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

NOTES: 1. Tolerances on 3 place decimals ±.020(.51) except as noted.
2. Dimensions are in inches over millimeters.

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Artisan Technology Group is an independent supplier of quality pre-owned equipment

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