Phasing Diagram - C

2

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4

1

## QHM-6 Series – 90° Power Dividers/Combiners

## **TECHNICAL FEATURE**

## **FEATURES**

- 2 to 400 MHz •
- Multi-Octave Bandwidths
- **High Isolation** .
- Uniform Phase & Amplitude Balance ٠

DDINCIDAL SPECIEICATIONS

SMA

	1		ref.	+90°	Isol.
	2	ref.		Isol.	- 90°
	3	– 90°	Isol.		ref.
	4	Isol.	+90°	ref.	
 Г					-
GENERA	I SPI	FCIFIC		JS.	

FREQUENCY IN MHZ

PRINCIPAL SPECIFICATIONS				GENERAL SPECIFICATIONS			
Model Number	Frequency Range, MHz	Phase Tolerance, Max.	lsolation, dB, Min.	VSWR, Max.	Coupling:– 3 dB nom.Insertion Loss:1.5 dB max. 1 dB typ.Amplitude Balance:1 dB max.Impedance:50 Ω nom.		
QHM-6-42	3.5 - 80	90° ± 3°	20	1.35:1	CW Input:1 WattConnectors:SMA FemaleWeight, nominal:1.3 oz. (37 g)Operating Temp.:- 55° to +85°C		
Package Out	237	75 ± 015	← <u>190</u> 4.83 _ J2		Typical QHM-6-42 Performance		
.160 ± 010			$\langle \cdot \rangle$		- 26 COUPLING		
4.06 ± 0.25 DIA 2 MTG HOLES 	<u> </u>		<u>605</u> 15.37 31.24 ± 0.7		50 50 50 50 50 50 50 50 50 50		
	69	J3 -/ 50 ± 0.030 85 ± 0.76 25 ± 0.030 82 ± 0.76	787 		VSWR-TYPICAL 150 125 100 3 10 FREQUENCY IN MHz 100		
910 3.11 MAX <u>430</u> TYP	1.065 1.65 1.65 1.092	MAX TYP.	WITH CONNECT MALE PER MIL TYP 4 PLACE	OR, PLUG, -C-39012	Typical QHM-6-225 Performance		
NC	DTES: 1. Tolerance on	3 place decimals ±0.20 n inches over millimeters	(.51) except as noted.	20Feb96	22 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0		
General Notes 1. The QHM-6 80 MHz using sturdy package	series of multi-oc multi-section lum	tave quadrature h ped element circu	ybrid couplers c its resulting in a	overs 3.5 to a compact,	3.0 VSWR-TYPICAL 1.5 1.3 1.3 1.5 1.3 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5		

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