QHM-2 Series – 90° Power Dividers/Combiners

TECHNICAL FEATURE

FEATURES

- 1 to 500 MHz
- 10% Bandwidth
- Low Insertion Loss
- Lumped Element Circuitry
- SMA Connectors

	Phasing Diagram - A					
	1	2	3	4		
1		0°	- 90°	Isol		
2	0°		Isol	- 90°		
3	- 90°	Isol		0°		
4	Isol	- 90°	0°			

PRINCIPAL SPECIFICATIONS			GENERAL SPECIFICATIONS
Model Number QHM-2-60 QHM-2-***B for complete Model Nu	Center Frequency, fo 60 MHz 1 to 500 MHz mber replace *** with desired	Usable Bandwidth, MH 57 - 63 f _o ± 5% Center Frequency, f _o in Mi	$\begin{tabular}{ c c c c c c c } \hline Insertion Loss: 0.3 dB max. \\ Phase Tolerance: 90° \pm 3° max. \\ Amplitude Balance: 0.6 dB max. \\ Impedance: 50 Ω nom. \\ \hline \end{tabular}$
General Notes: 1. The QHM-2 seri using lumped elem sized package.	es of 3 dB quadrature hybri ent designs for high perfori	ids covers 1 to 500 MHz mance in a conveniently	Typical QHM-2-60 Performance RELATIVE
			+60 TRANSFER PHASE
Package Outline	•		+50 +40 1-2
r ackage Outline			₩ +30
			J 30 J J
	1.125 ± .030 28 58 ± 0.76		
.125	880 ± 015 / FEM	NECTOR, RECEPTACLE, ALE, SMA TYPE, MATES H CONNECTOR, PLUG, - 250	
5.10	/ MAL	E PER MIL-C-39012 6.35	-50 1-3
5.40 + 0.76 500 12.70		130 * .010 3 30 + 0.25 DIA.	
· · · · · · · · · · · · · · · · · · ·	2 1	3.5010.25	
250 6 35	80 - 430	MAX TYP	Ž _m 3.35
7.	570 ± 030	.045 ± .010	3.10
	14.48 ± 0.76	- <u>500</u> 12.70 MAX.	X
		and the second sec	120 VSWR-TYPICAL
			¥ 115
NOTES: 1. Tolerance on 3 place decim	nals ±.020(.51) except as noted.		

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