

QHP-23N SERIES – 90° POWER DIVIDERS/COMBINERS

TECHNICAL FEATURE

FEATURES

- 1 to 300 MHz
- Octave Bandwidth
- Low Insertion Loss
- Hermetic Auto-Insertion Ready

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

Model Number	Center Frequency	Frequency Performance
QHP-23N-***B	1 to 300 MHz	Octave
For complete Model Number replace *** with desired Center Frequency in MHz.		

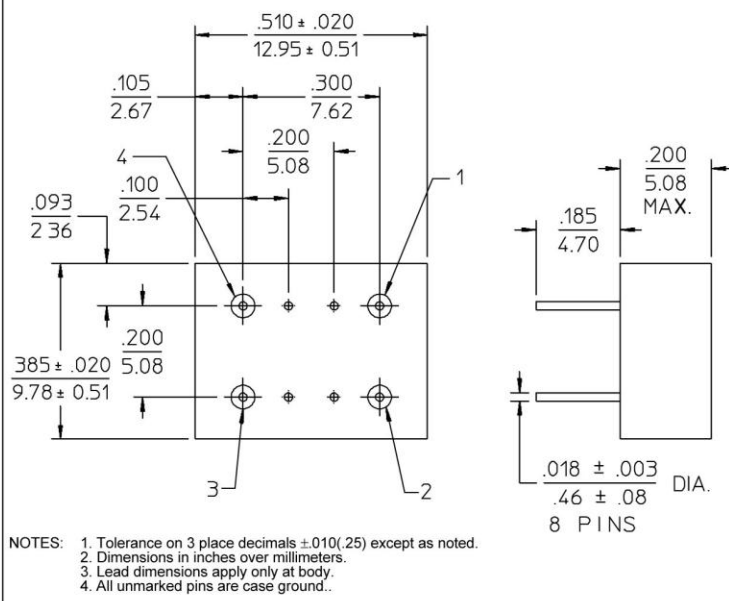
General Notes:

1. The QHP-23N series covers 1 MHz to 300 MHz using a special lumped element design to reduce package size making it ideal for applications requiring high performance in a low 0.2" profile, ultra-miniature package. The 0.385" by 0.5" Meri-Pac™ package is well suited to aerospace applications where inherent package reliability and hermeticity are essential.

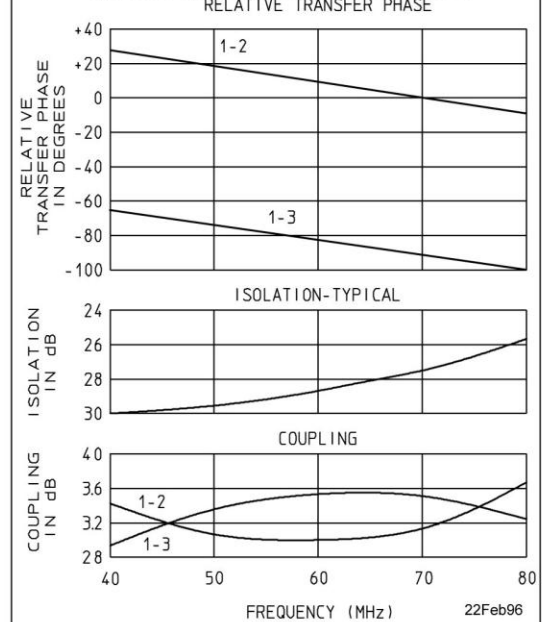
GENERAL SPECIFICATIONS

Coupling: - 3 dB nom.
 Impedance: 50 Ω nom.
 Isolation:
 < 300 MHz: 20 dB min., 25 dB typ.
 > 300 MHz: 18 dB min., 22 dB typ.
 Insertion Loss:
 > 75 MHz: 0.75 dB max., 0.5 dB typ.
 < 75 MHz: 0.5 dB max., 0.3 dB typ.
 Phase Tolerance: 90° ± 3° max.
 Amplitude Balance: 1 dB max.
 VSWR:
 < 300 MHz: 1.3:1 max., In/Out
 > 300 MHz: 1.5:1 max., In/Out
 CW Input: 1 W max.
 Operating Temp.: - 55° to +85°C

Meri-Pac™ N-Package Outline



Typical QHP-23N-60 Performance



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