

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
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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 of 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.

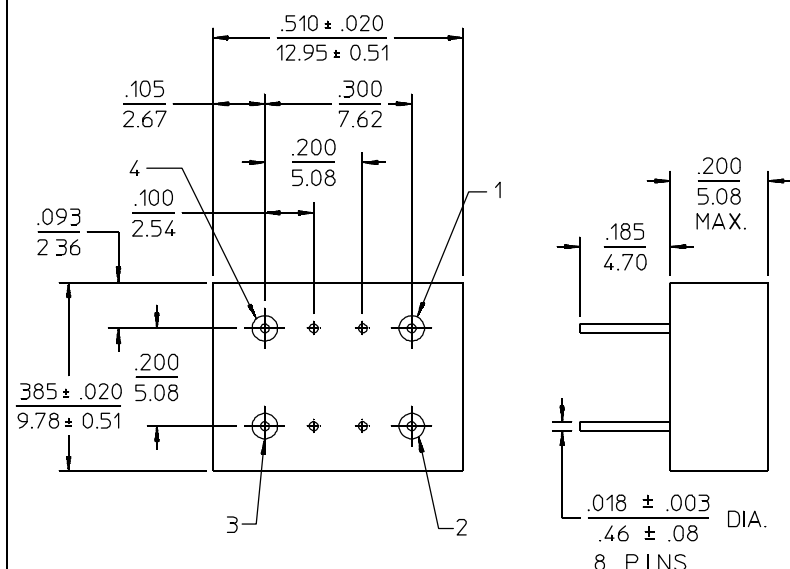
VSWR:

< 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

NOTES: 1. Tolerance on 3 place decimals ±.010(.25) except as noted.
 2. Dimensions in inches over millimeters.
 3. Lead dimensions apply only at body.
 4. All unmarked pins are case ground.

Typical QHP-23N-60 Performance