

QHM-2 Series

90° POWER DIVIDERS / COMBINERS

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



	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, f_0	Usable Bandwidth, MHz
QHM-2-60	60 MHz	57 - 63
QHM-2-***B	1 to 500 MHz	$f_0 \pm 5\%$

For complete Model Number replace *** with desired Center Frequency, f_0 in MHz.

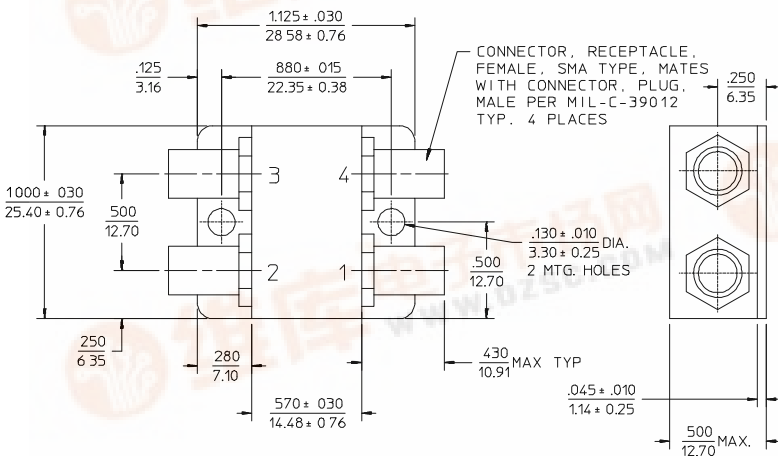
GENERAL SPECIFICATIONS

Coupling:	- 3 dB nom.
Isolation:	25 dB min.
Insertion Loss:	0.3 dB max.
Phase Tolerance:	$90^\circ \pm 3^\circ$ max.
Amplitude Balance:	0.6 dB max.
Impedance:	50 Ω nom.
VSWR:	1.3:1 max.
CW Input:	1 Watt max.
Weight:	0.75 oz. (21g) nom.
Operating Temperature:	- 55° to +85°C

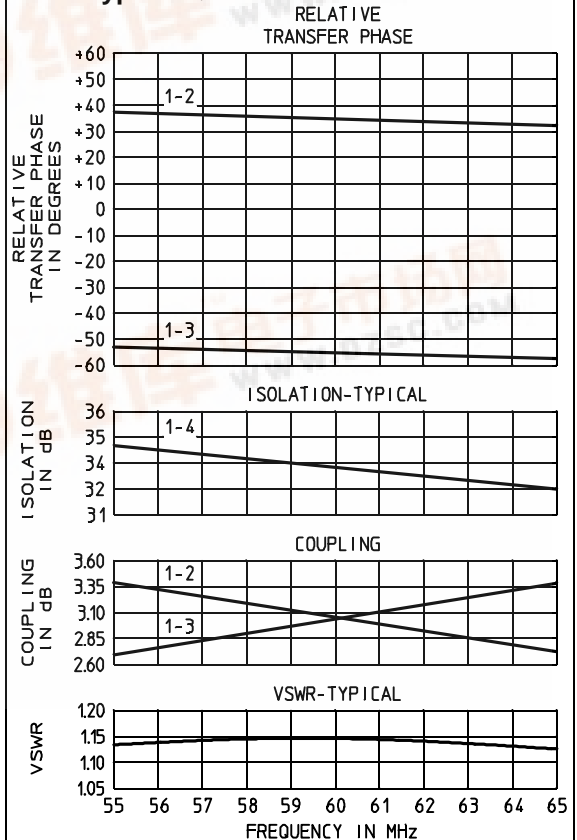
General Notes:

1. The QHM-2 series of 3 dB quadrature hybrids covers 1 to 500 MHz using lumped element designs for high performance in a conveniently sized package.

Package Outline



Typical QHM-2-60 Performance



1. Tolerance on 3 place decimals $\pm 0.20(.51)$ except as noted.
2. Dimensions in inches over millimeters.

