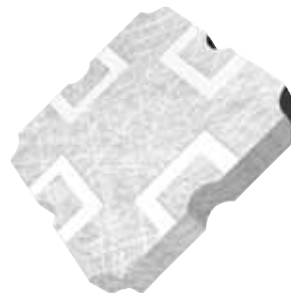


QUAD HYBRID - QHD-2Z-3.5G

TECHNICAL FEATURE

FEATURES

- 3.3 - 3.7 GHz
- High Power - 25 Watts CW
- Low Loss
- Low VSWR
- Surface Mount
- Tape & Reel Available



PERFORMANCE

Frequency Range.....	3.3 - 3.7 GHz
Isolation.....	16 dB min.
Insertion Loss.....	0.40 dB max.
VSWR.....	1.45:1 max.
Amplitude Balance.....	±0.5 dB max.
Phase Balance.....	90 ± 3° max.
Input Power.....	25 watts max.
Size.....	0.175 x 0.175 x 0.086 inches
Weight.....	0.003 oz.
RF Interface.....	Surface mount
Operating Temperature Range.....	-55 to +95°C

DESCRIPTION

The Multi-Mix® QHD-Z series provides a 3 dB, quadrature coupler with low insertion loss, high isolation, and high power handling in a small outline. Accurate phase and amplitude balance make them ideal for applications involving IQ networks, power amplifiers, signal distribution and processing.

The QHD-Z series is an easy to install SMD designed specifically for the full spectrum of wireless applications. The high stability ceramic filled PTFE dielectrics utilized in these components are compatible with common substrates such as FR-4, G-10, and polyamide. The wrap around ground plane provides excellent EM shielding.

Applications:

- WiFi
- Wireless Lans
- Point to point radio
- WiMAX

PACKAGE OUTLINE / TAPE & REEL ORIENTATION

MOUNTING ORIENTATION: MARKING DOT ON TOP SIDE

NOTES:
1. ALL DIMENSIONS ARE IN INCHES.
2. TOLERANCES: -3 PLACE DECIMALS; ±.005.

DIRECTION OF FEED
→

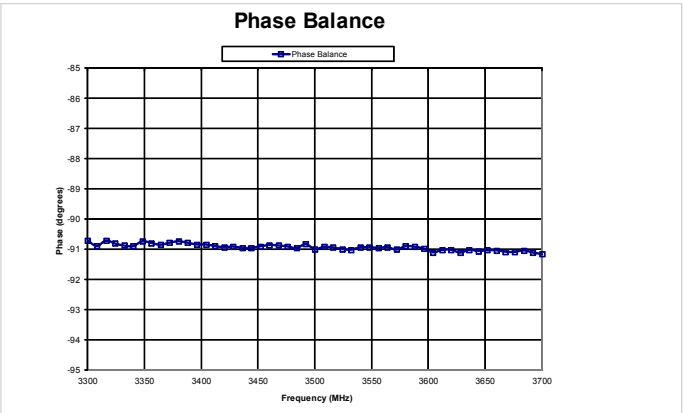
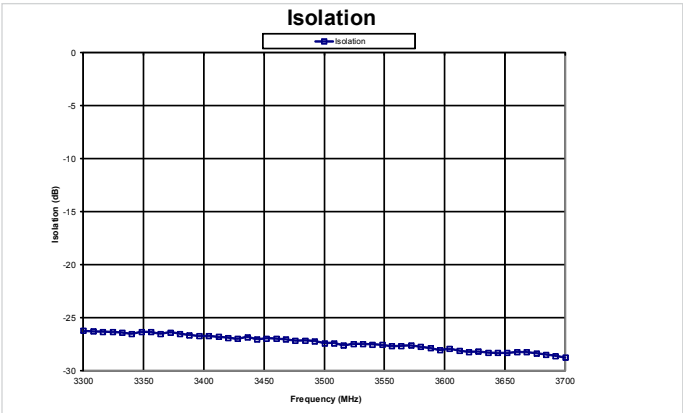
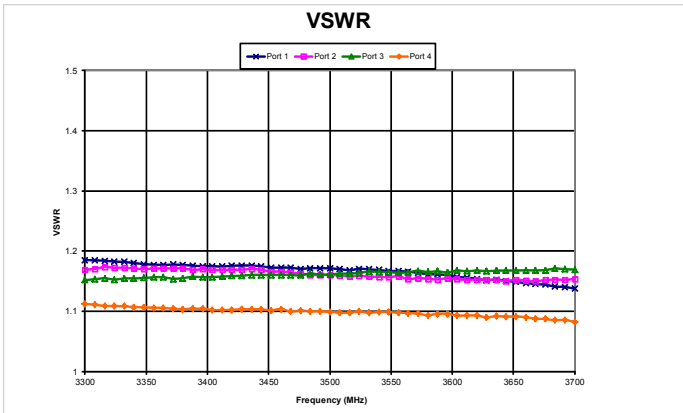
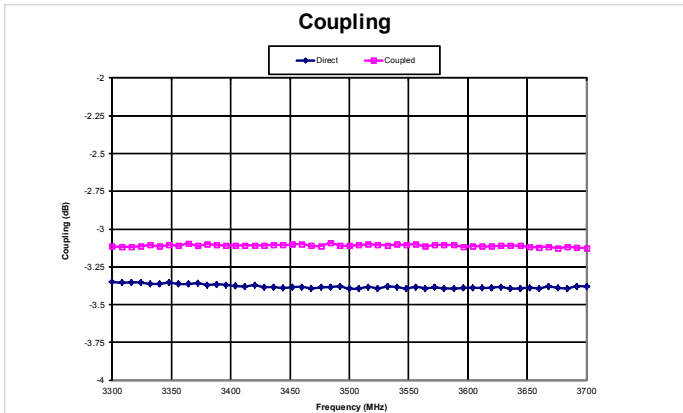
SECTION "A"-A"

	W	P ₁	P ₀	A ₀	B ₀	K ₀
ENGLISH (in)	0.4724	0.3150	0.1575	0.197	0.189	0.071
METRIC (mm)	12.00	8.00	4.00	5.0	4.8	1.8

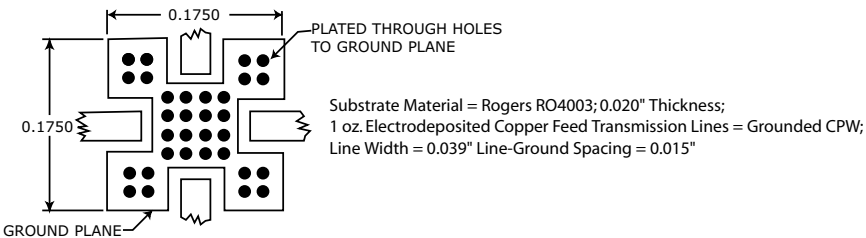


QUAD HYBRID - QHD-2Z-3.5G

PERFORMANCE DATA



MOUNTING GUIDELINES



TRUTH TABLE

	1	2	3	4
1	In	0	Isolated	-90
2	0	In	-90	Isolated
3	Isolated	-90	In	0
4	-90	Isolated	0	In