

QUAD HYBRID - QHDZ-2N-0.392G SQ

TECHNICAL FEATURE

FEATURES

- 350 - 435 MHz
- High Isolation
- Low Loss
- Excellent Phase / Amplitude Balance
- High Power Handling
- Surface Mount



PERFORMANCE

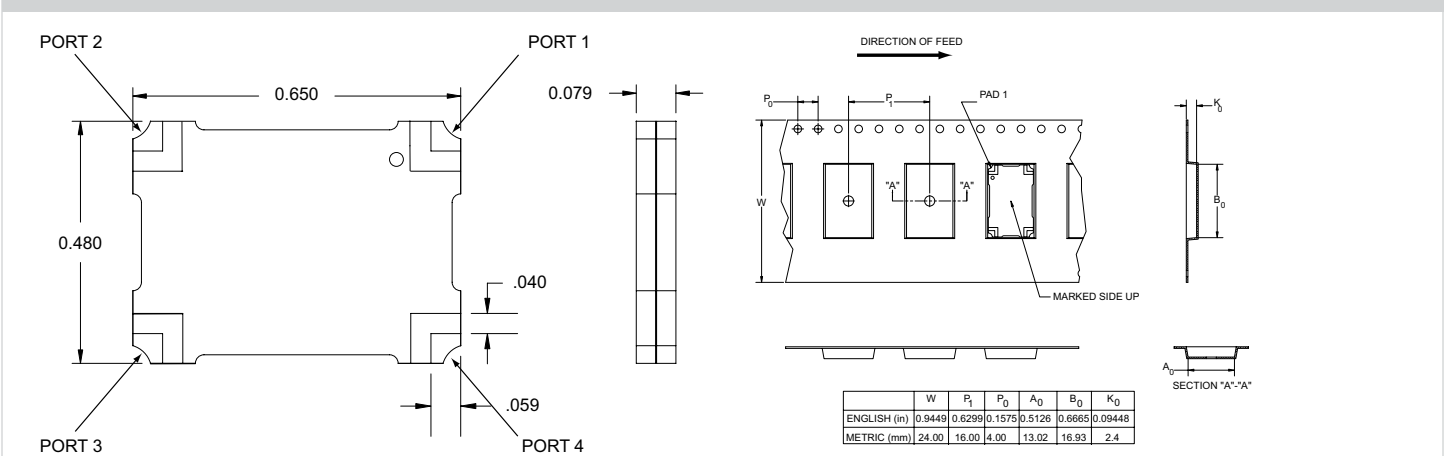
Frequency Range	350 - 435 MHz.
Isolation	27 dB min.
Insertion Loss	0.25 dB max.
VSWR	1.12:1 max.
Amplitude Balance	± 0.2 dB max.
Phase Balance	$90 \pm 2^\circ$ max.
Input Power	125 watts max.
RF Interface	Surface mount
Operating Temperature Range	-55 to +95°C

DESCRIPTION

The QHDZ-2N-0.392G SQ series is a member of the Multi-Mix Zapper® QHDZ family of 3-dB 90° couplers for use in the 350-435 MHz range. The QHDZ-2N-0.392G SQ exhibits low insertion loss, low VSWR, and high isolation. Excellent phase and amplitude balance and high RF power handling capability make this series ideal for use in base station power amplifiers in particular and radio transceivers, receiver/antenna multicouplers and RF signal distribution and processing equipment in general.

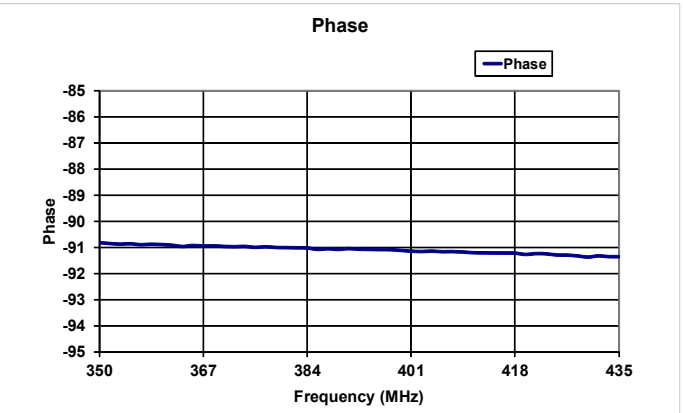
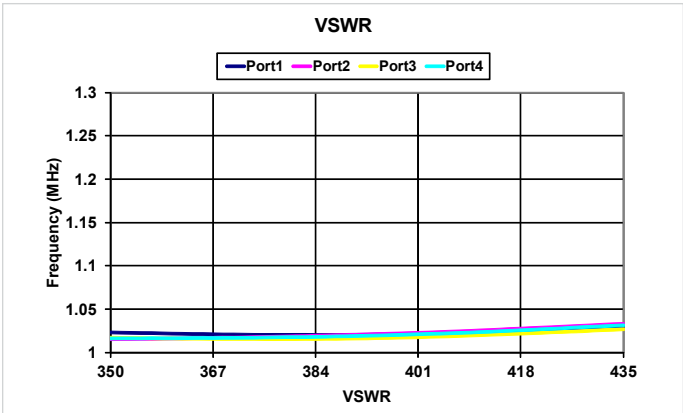
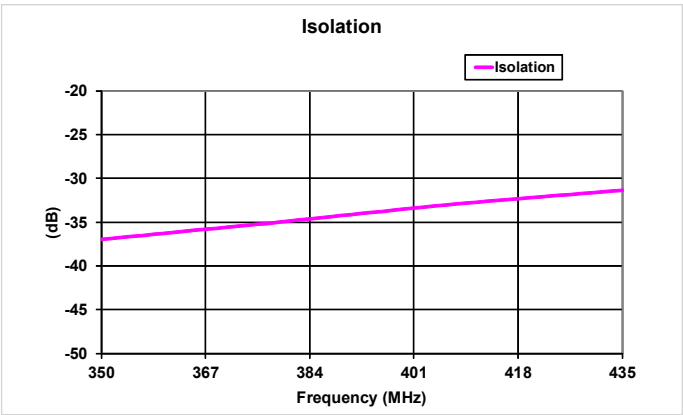
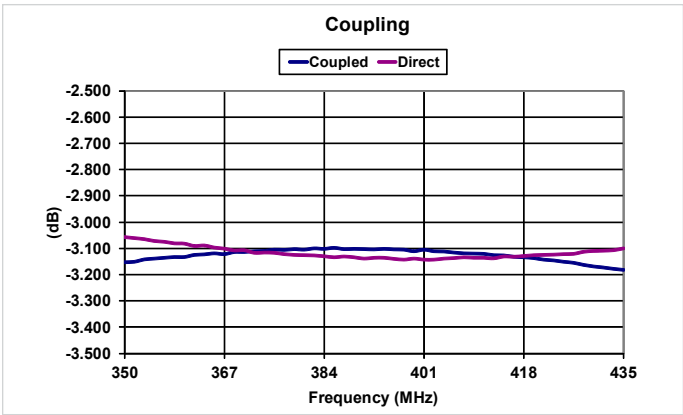
The construction of QHDZ quad hybrids is based on fusion bonded multiplayer stripline structures. The fusion bonding process yields homogeneous monolithic dielectric structures with reliability, ruggedness, and electrical and thermal performance that are superior to conventional adhesive bonding techniques.

PACKAGE OUTLINE / TAPE & REEL ORIENTATION

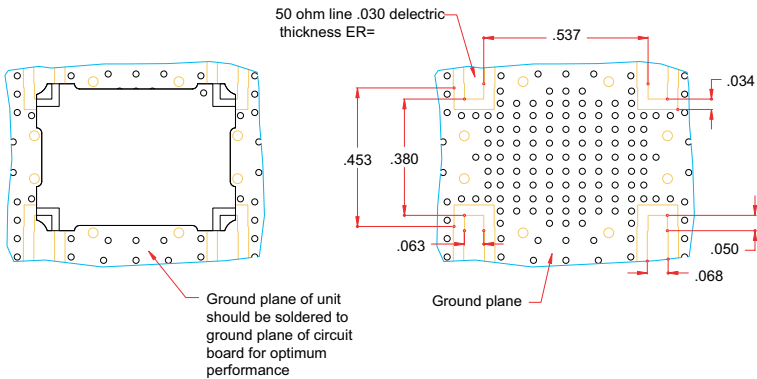


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PERFORMANCE DATA



MOUNTING GUIDELINES



TRUTH TABLE

	1	2	3	4
1	Input	Iso	-90°	0°
2	Iso	Input	0°	-90°
3	-90°	0°	Input	Iso
4	0°	-90°	Iso	Input