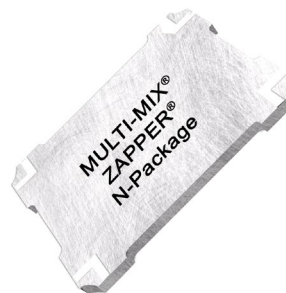


QUAD HYBRID - QHDZ-2N-0.45G

TECHNICAL FEATURE

FEATURES

- 380 - 520 MHz
- High Isolation
- Low Loss
- Excellent Phase / Amplitude Balance
- High Power Handling
- Surface Mount



PERFORMANCE

Frequency Range.....	410 - 480 MHz
.....	380 - 520 MHz
Isolation	23 dB min.
.....	20 dB min.
Insertion Loss	0.2 dB max.
.....	0.3 dB max.
VSWR.....	1.15:1 max.
.....	1.20:1 max.
Amplitude Balance	±0.15 dB max.
.....	±0.3 dB max.
Phase Balance	90 ± 2° max.
.....	90 ± 3° max.
Input Power	200 watts max.
RF Interface.....	Surface mount
Operating Temperature Range	-55 to +95°C

DESCRIPTION

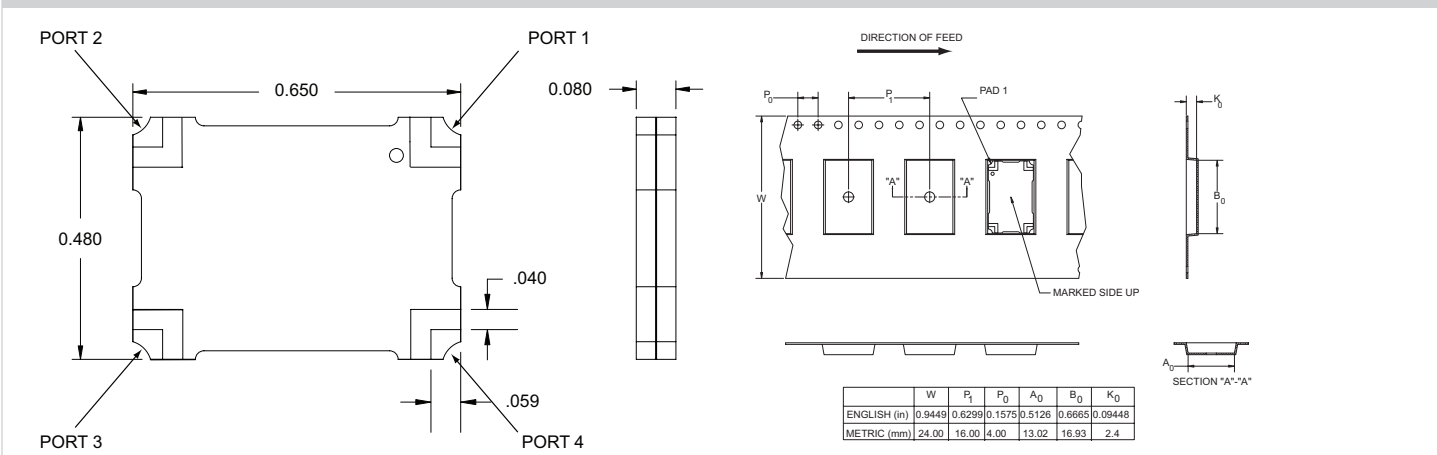
The QHDZ-2N-0.45G series is a member of the Multi-Mix® Zapper® QHDZ family of 3-dB 90° couplers for use in the 380-520 MHz range. The QHDZ-2N-0.45G exhibits low insertion loss, low VSWR, and high isolation. Excellent phase and amplitude balance and high RF power handling capability make this series ideal 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 multilayer 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.

Applications:

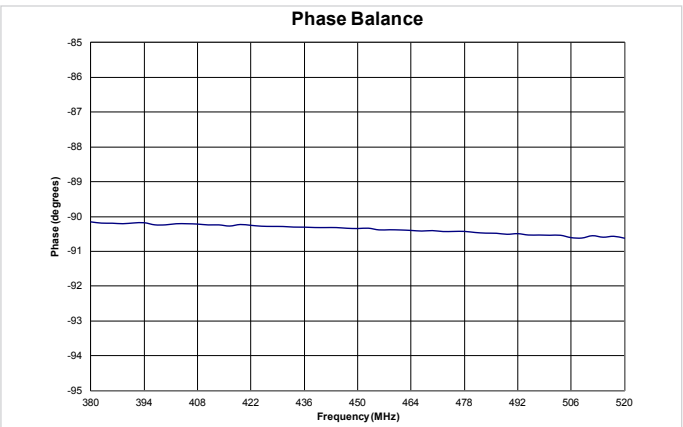
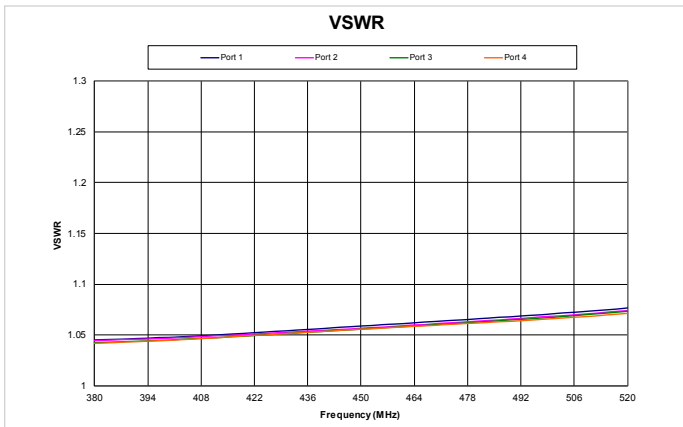
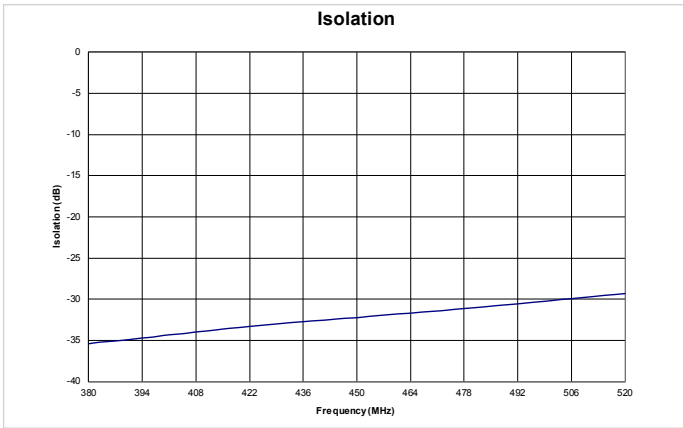
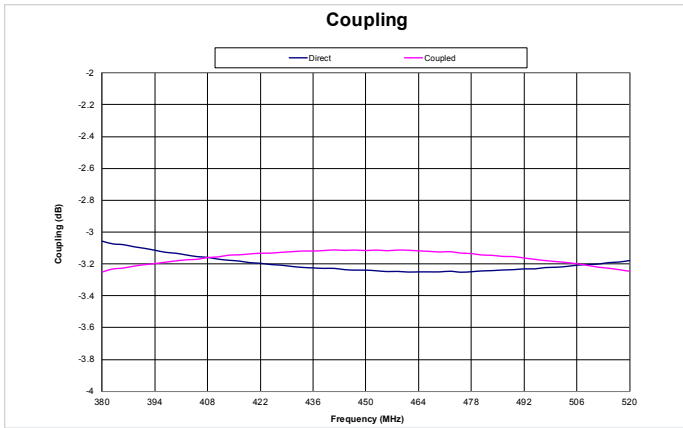
- CDMA 450 base station power amplifiers
- UHF land mobile radio base station power amplifiers
- UHF radar (400-500 MHz)

PACKAGE OUTLINE / TAPE & REEL ORIENTATION

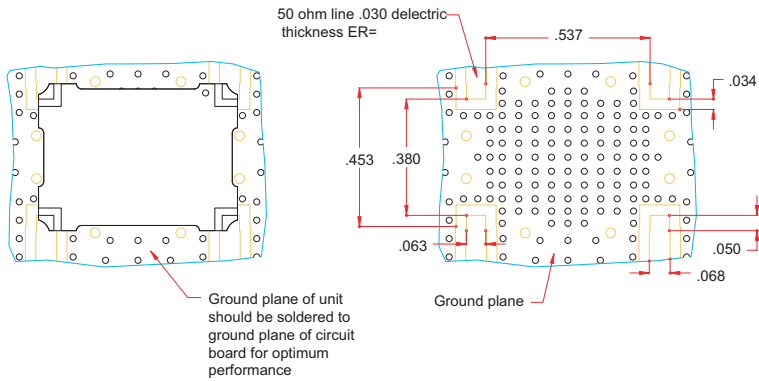


QUAD HYBRID - QHDZ-2N-0.45G

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