

# QUAD HYBRID - QHDZ-2H-0.48G

## TECHNICAL FEATURE

### FEATURES

- 435 - 524 MHz
- High Isolation
- Low Loss
- Excellent Phase / Amplitude Balance
- Surface Mount
- Tape & Reel Available



### PERFORMANCE

Frequency Range .....	435 - 524 MHz
Isolation .....	25 dB min.
Insertion Loss .....	0.25 dB max.
VSWR .....	1.12:1 max.
Amplitude Balance .....	$\pm 0.20$ dB max.
Phase Balance .....	$90 \pm 3^\circ$ max.
Input Power .....	125 watts max.
RF Interface .....	Surface mount
Operating Temperature Range .....	-55 to +95°C

### DESCRIPTION

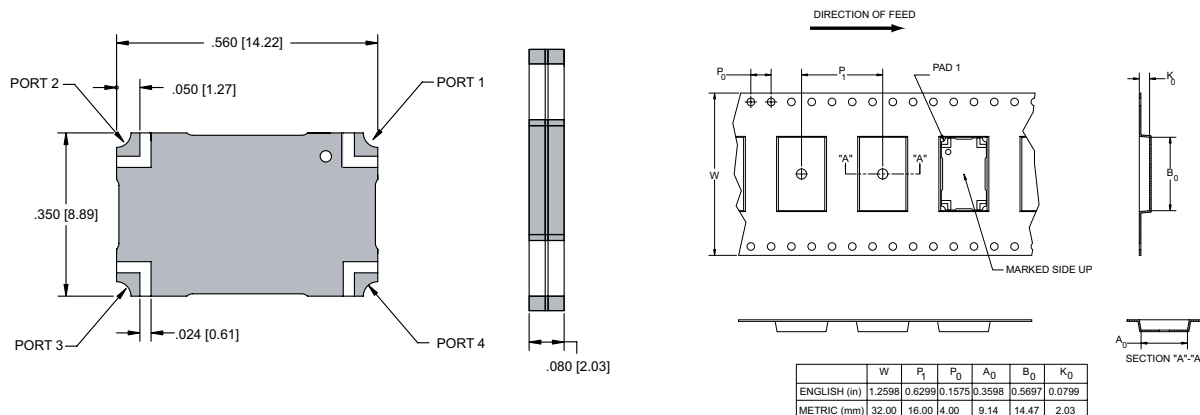
The Multi-Mix® Zapper® QHDZ-2H-0.48G provides a 3 dB 90° coupling with low insertion loss, low VSWR, and high isolation for use in the 435 - 524 MHz range. Accurate phase and amplitude balance make this series ideal for use in IQ networks, power amplifiers, radio transceivers, receiver multicouplers and RF signal distribution and processing equipment.

QHDZ quad hybrids are fusion bonded multilayer stripline devices. The fusion bonding process yields a homogeneous monolithic dielectric structure with reliability, ruggedness, and electrical performance that is superior to conventional adhesive bonding techniques.

Applications:

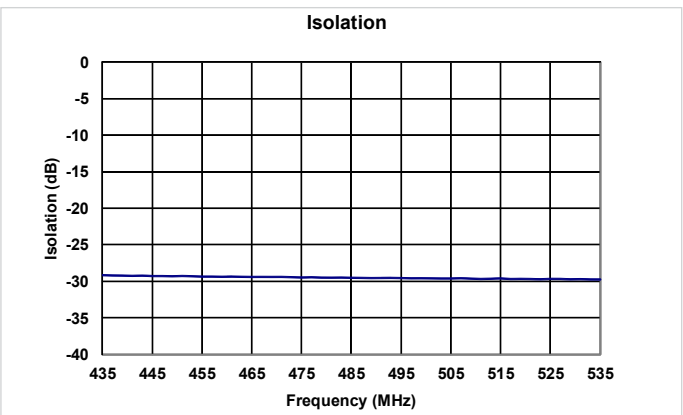
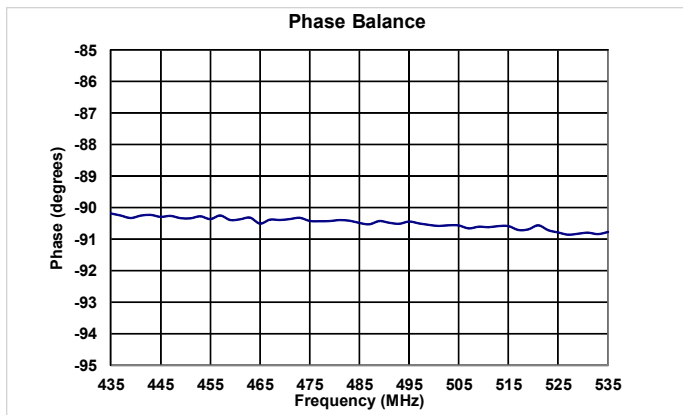
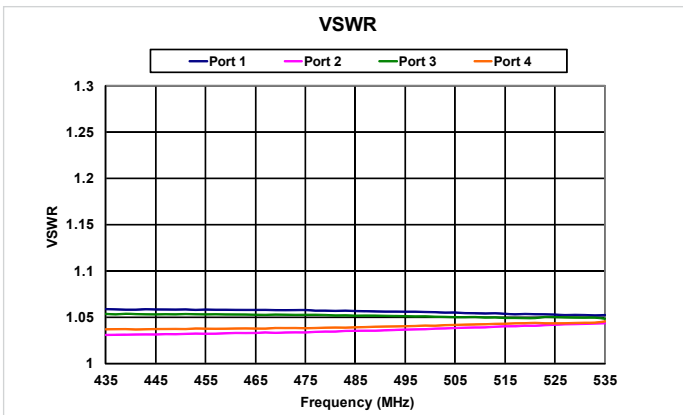
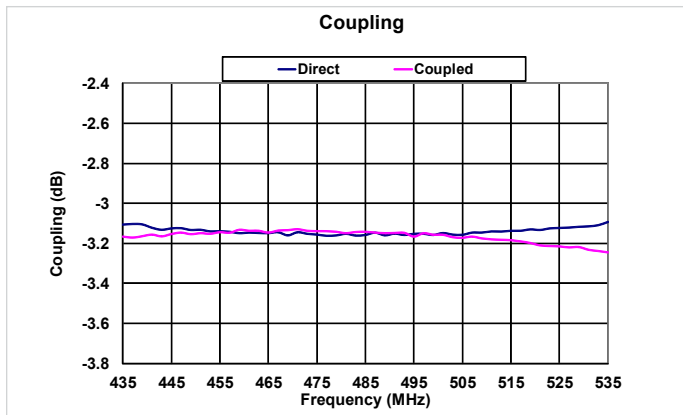
- CDMA 450 base station power amplifiers
- UHF land mobile radio (LMR) base station power amplifiers
- UHF Radar (400-500 MHz)

## PACKAGE OUTLINE / TAPE & REEL ORIENTATION

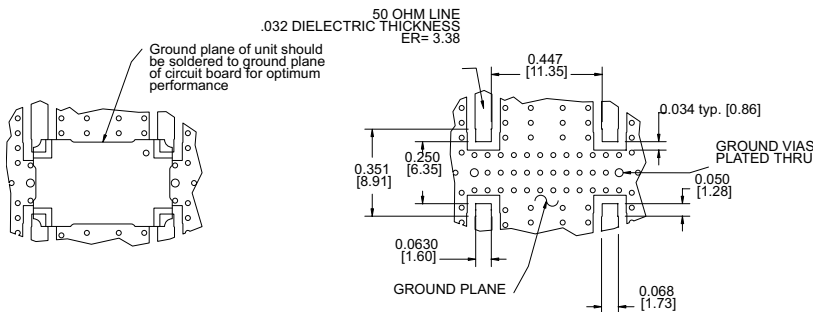


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## PERFORMANCE DATA



## 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