

**TECHNICAL DESCRIPTION**

- 0.96 - 1.215 GHz
- LOW LOSS
- HIGH ISOLATION
- EXCELLENT PHASE/AMPLITUDE BALANCE
- SURFACE MOUNT
- TAPE & REEL AVAILABLE



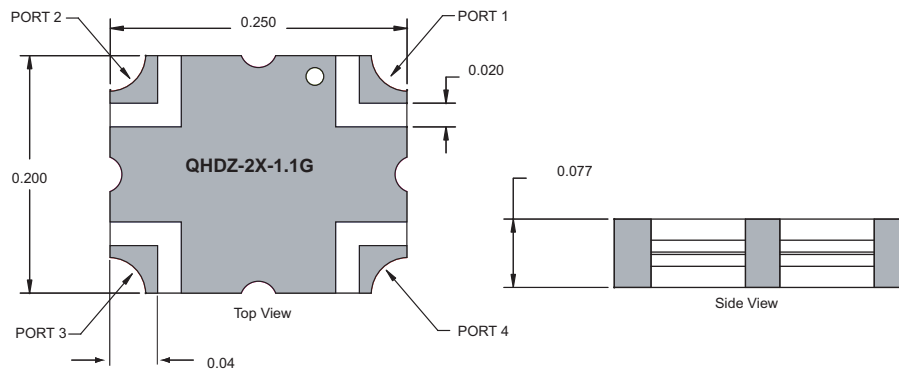
The Multi-Mix® QHDZ series provides a 3 dB 90° coupling with low insertion loss, low VSWR, and high isolation. Accurate phase and amplitude balance make this series ideal for use in IQ networks, power amplifiers, radio transceivers, receiver multicouplers and RF signal distribution and processing.

QHD 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.

**GENERAL SPECIFICATIONS**

FREQUENCY RANGE GHz		ISOLATION (dB MIN)	INSERTION LOSS (dB MAX)	VSWR (MAX)
0.96 - 1.215		20	0.40	1.20:1
AMPLITUDE BALANCE (dB MAX)	PHASE BALANCE (MAX)	INPUT POWER (CW, MAX)	RF INTERFACE	OPERATING TEMPERATURE
± 0.30	90±3°	30 W	Leadless Surface Mount	-55° - +85° C

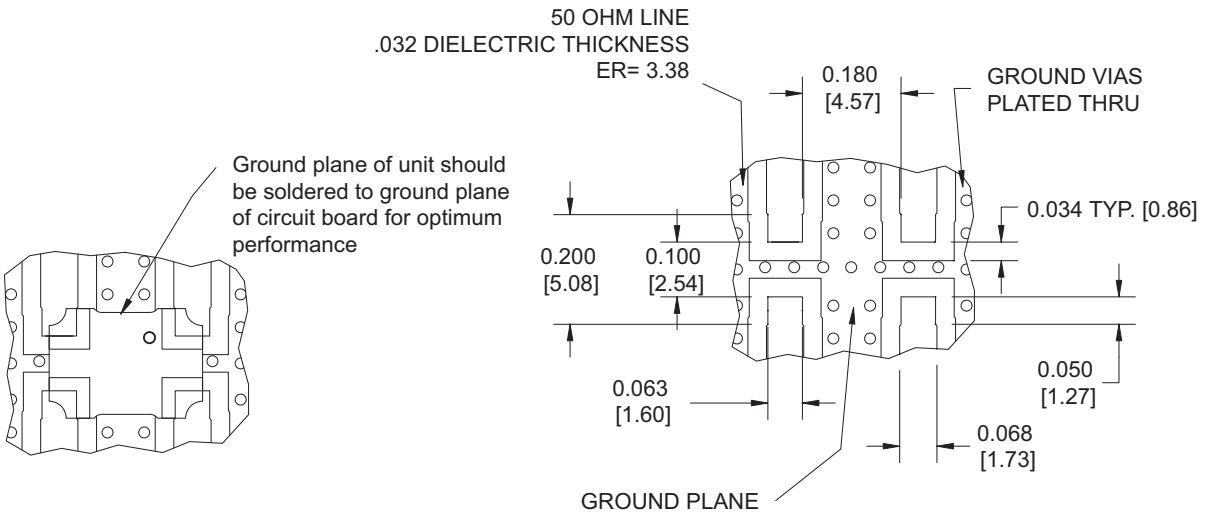
**PACKAGE OUTLINE**



**THE MULTI-MIX MICROTECHNOLOGY® GROUP IS ISO 9001:2000 REGISTERED**

U.S. Patent 6,099,677 and other Patents Pending.

**MOUNTING CONFIGURATION**



**TRUTH TABLE**

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