

**TECHNICAL DESCRIPTION**

**FEATURES**

- 64 MHz
- LOW LOSS
- HIGH ISOLATION
- EXCELLENT PHASE/AMPLITUDE BALANCE
- HIGH POWER HANDLING
- SURFACE MOUNT

**APPLICATIONS**

- ANTENNA FEEDS
- POWER AMPS



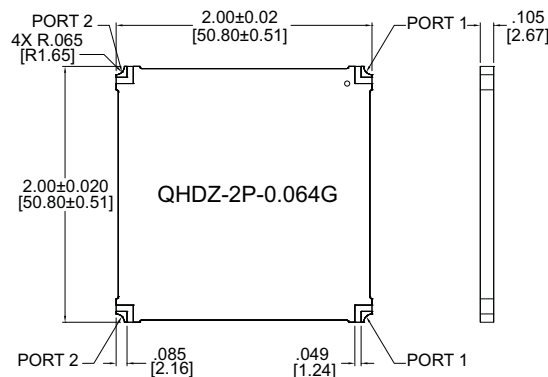
The QHDZ-2P-0.064G series is a member of the Multi-Mix QHD family of 3-dB 90° couplers for use in the .054-.074 MHz range. The QHDZ-2P-0.064G exhibits low insertion loss, low VSWR, and high isolation. Excellent phase and amplitude balance and high RF power handling capability make this series ideal for use in power amps and antenna feeds systems.

The construction of QHD 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.

**GENERAL SPECIFICATIONS**

FREQUENCY RANGE (MHz)		INSERTION LOSS (dB MAX)	AMPLITUDE BALANCE (dB MAX)	PHASE BALANCE
64 ± 1 MHz 64 ± 10 MHz		0.3 0.35	± 0.25	90 ± 2°
ISOLATION (dB MIN)	VSWR (MAX, ALL PORTS)	AVERAGE POWER (WATTS, MAX.)	RF INTERFACE	OPERATING TEMPERATURE
23	1.15:1	700	Leadless Surface Mount	-55° - +95° C

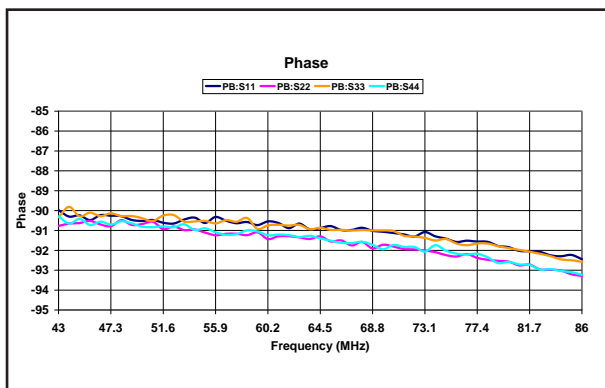
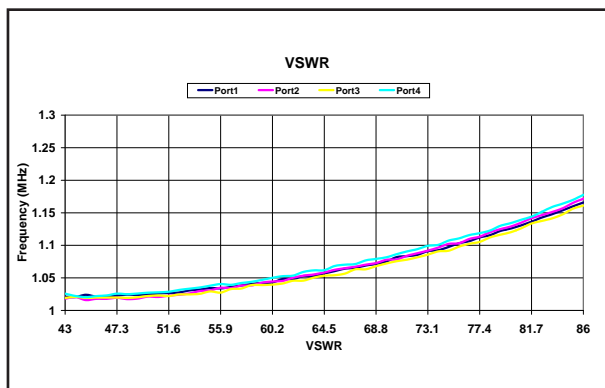
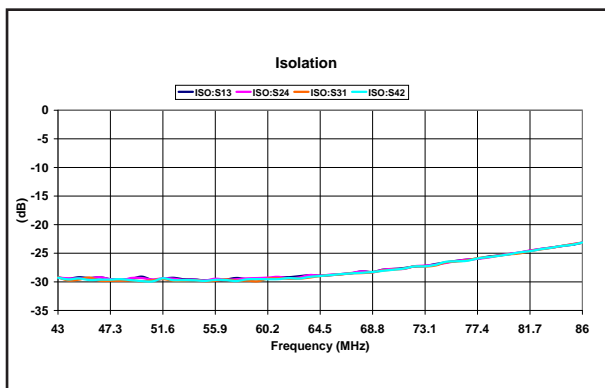
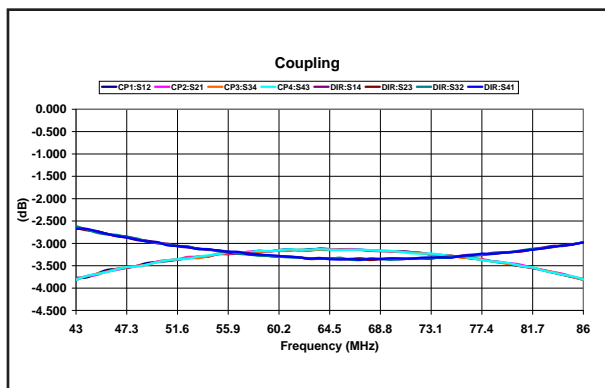
**PACKAGE OUTLINE**



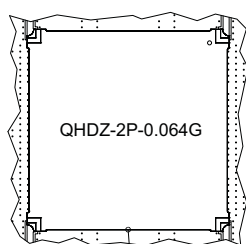
**THE MULTI-MIX MICROTECHNOLOGY® GROUP IS ISO 9001:2000 REGISTERED**

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

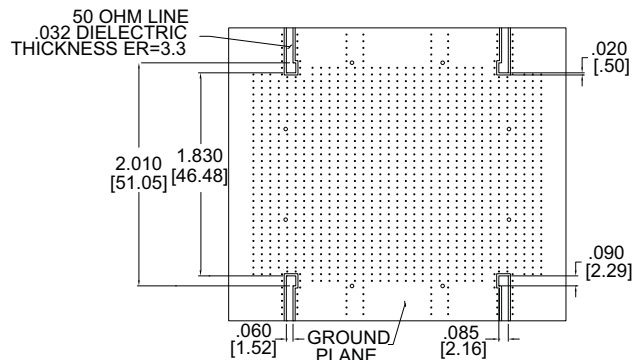
## TYPICAL PERFORMANCE



## MOUNTING CONFIGURATION



GROUND PLANE OF UNIT SHOULD BE SOLDERED TO GROUND PLANE OF CIRCUIT BOARD FOR OPTIMUM PERFORMANCE



## 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