MULTI-MIX ZAPPER®

PDD-2C-3.0G
POWER DIVIDER

PRELIMINARY REV: 003, 05/10/06

TECHNICAL DESCRIPTION

FEATURES
- 2000 - 4000 MHz
- LOW LOSS
- HIGH ISOLATION
- EXCELLENT PHASE/AMPLITUDE BALANCE
- SURFACE MOUNT
- TAPE & REEL AVAILABLE

APPLICATIONS
- I&Q NETWORKS
- POWER AMPLIFIERS
- SIGNAL DISTRIBUTION

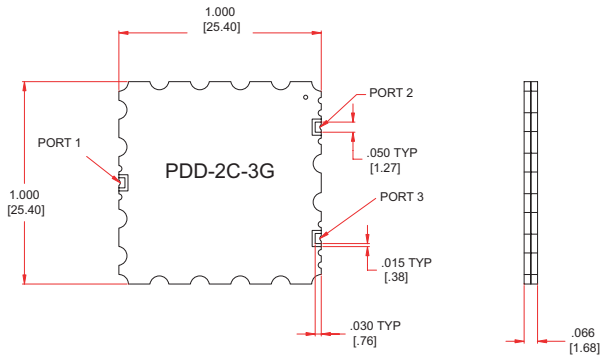
The Multi-Mix® PDD series provides a 3 dB 0° in-phase power divider with low insertion loss, low VSWR, and high isolation. Accurate phase and amplitude balance make this series ideal for use in IQ networks, power amplifiers, radio transceivers, receiver multicouplers and RF signal distribution and processing equipment.

PDD power dividers 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 MHz		INSERTION LOSS (dB MAX)	AMPLITUDE BALANCE (dB MAX)	PHASE BALANCE
2000 - 4000		0.30	± 0.10	± 2°
ISOLATION (dB MIN)	**VSWR** (MAX)	**INPUT POWER** (CW @ 1.2:1 LOAD VSWR)	**RF INTERFACE**	**OPERATING TEMPERATURE**
20	1.2:1	1 W	Surface Mount	-55° - +95° C

PACKAGE OUTLINE



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

FM Approvals Quality System Registration

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

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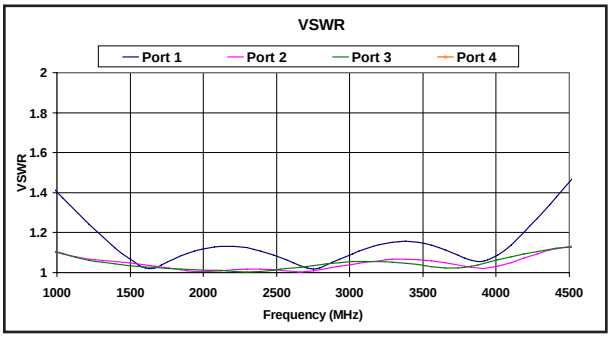
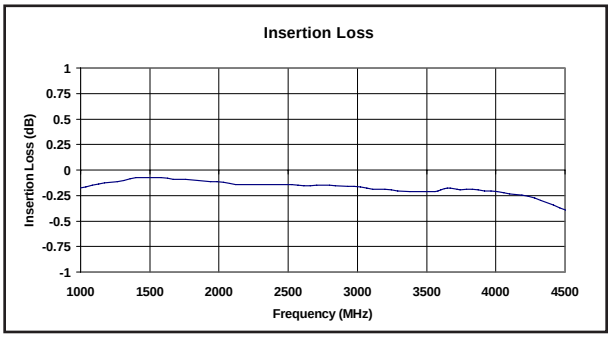
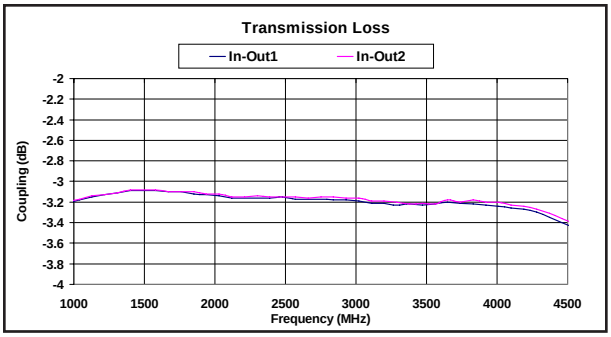
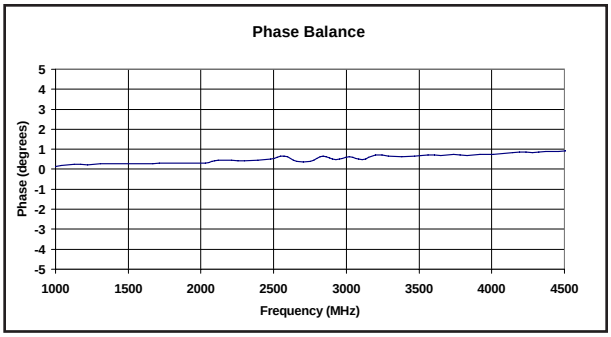
MOUNTING CONFIGURATION









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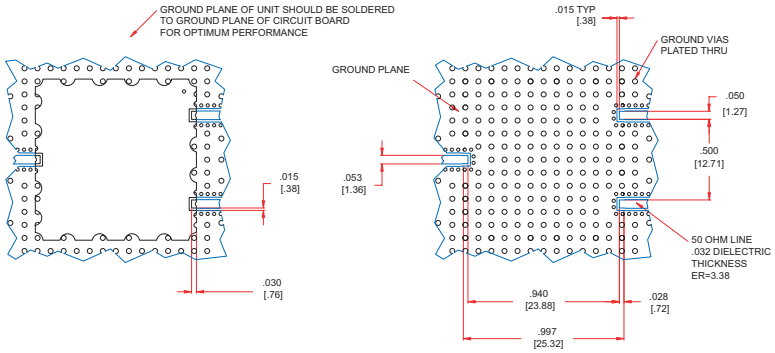

TRUTH TABLE

	1	2	3
1	Input	Out	Out
2	Out	Input	Isolated
3	Out	Isolated	Input

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