POWER DIVIDER - PDD-2C-3.0G

TECHNICAL FEATURE

FEATURES

- 2000 - 4000 MHz
- High Isolation
- Low Loss
- Excellent Phase / Amplitude Balance
- Surface Mount
- Tape & Reel Available

PERFORMANCE

Frequency Range	2000 - 4000 MHz
Isolation	20 dB min.
Insertion Loss	0.3 dB max.
VSWR	Input 1.25:1 max.
	Outputs 1.2:1 max.
Amplitude Balance	±0.10 dB max.
Phase Balance	± 2° max.
Input Power	1 watt @ 2.0:1 Load VSWR
RF Interface	Surface mount
Operating Temperature Range	-55 to +95°C

DESCRIPTION

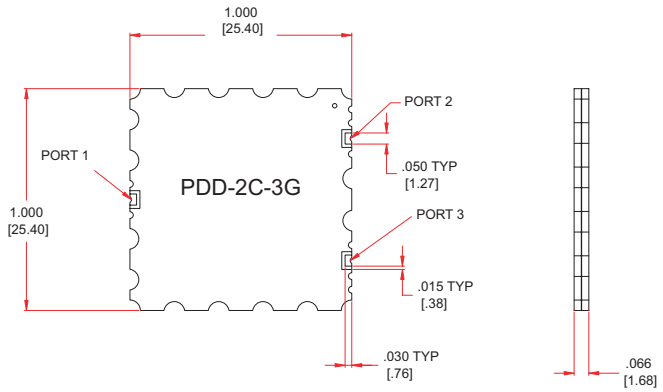
The Multi-Mix® PDD series provides a 3 dB 0° in-phase power divider with low insertion loss, low VSWR, and high isolation. Accurate phase and amplitude balance make this series ideal for use in IQ networks, power amplifiers, radio transceivers, receiver multicouplers and RF signal distribution and processing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

Applications:

- I&Q Networks
- Power Amplifiers
- Signal Distribution

PACKAGE OUTLINE



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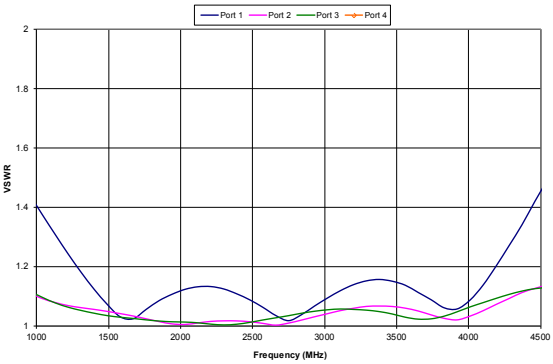
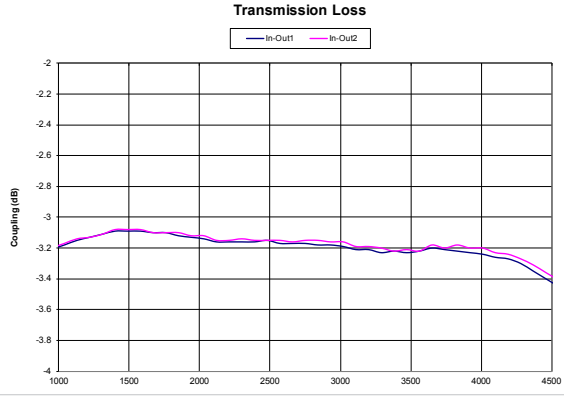
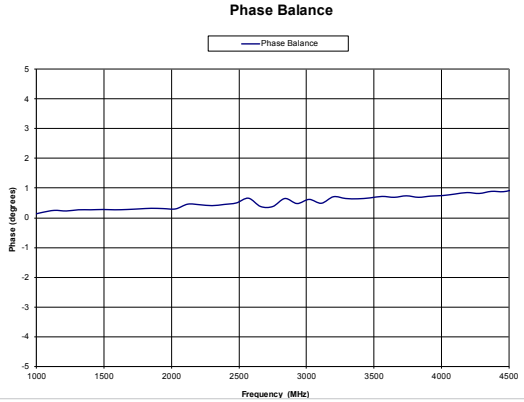
PERFORMANCE DATA



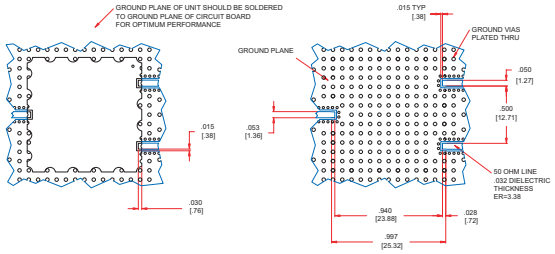




TRUTH TABLE

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

MOUNTING CONFIGURATION

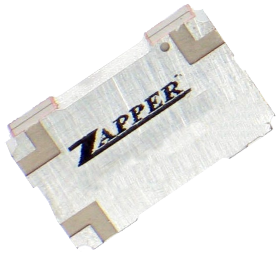


POWER DIVIDER - PDD-2H-1.1G

TECHNICAL FEATURE

FEATURES

- 960 - 1220 MHz
- High Isolation
- Low Loss
- Excellent Phase / Amplitude Balance
- Surface Mount
- Tape & Reel Available



PERFORMANCE

Frequency Range	960 - 1220 MHz
Isolation	20 dB
Insertion Loss	0.25 dB max.
VSWR	1.2:1
Amplitude Balance	±0.20 dB max.
Phase Balance	± 2° max.
Input Power	1 watt @ 2.0:1 Load VSWR
RF Interface	Surface mount
Operating Temperature Range	-55 to +95°C

DESCRIPTION

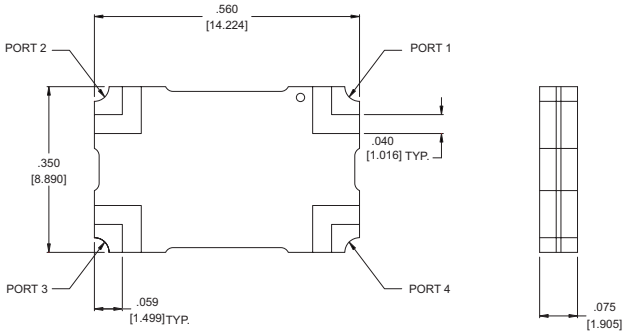
The Multi-Mix® PDD series provides a 3 dB 0° in-phase power divider with low insertion loss, low VSWR, and high isolation. Accurate phase and amplitude balance make this series ideal for use in IQ networks, power amplifiers, radio transceivers, receiver multicouplers and RF signal distribution and processing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

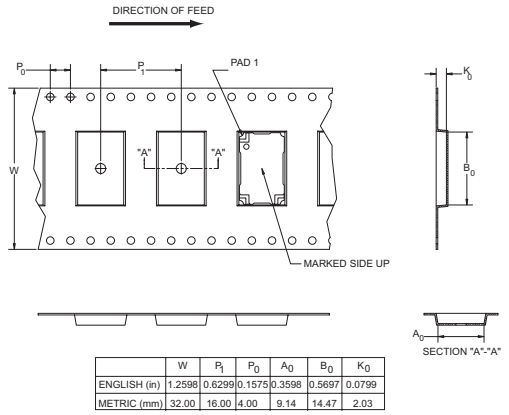
PDD power dividers are fusion bonded multilayer stripline devices. The fusion bonding process yields a homogeneous monolithic dielectric structure with reliability, ruggedness, and electrical performance that is superior to conventional adhesive bonding techniques.

Applications:

- JTRS

PACKAGE OUTLINE





	W	P_1	P_0	A_0	B_0	K_0
ENGLISH (in)	1.2598	0.6299	0.1575	0.3598	0.5697	0.0799
METRIC (mm)	32.00	16.00	4.00	9.14	14.47	2.03

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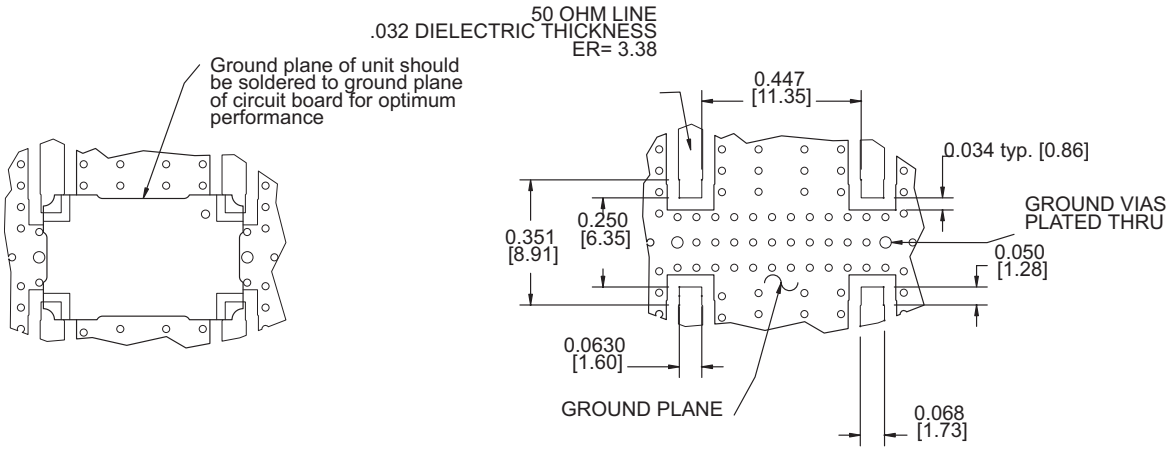
POWER DIVIDER - PDD-2H-1.1G

MOUNTING CONFIGURATION



TRUTH TABLE

	1	2	3	4
1	Input	Out	Out	N/C
2	Out	Input	N/C	Out
3	Out	N/C	Input	Out
4	N/C	Out	Out	Input