



Model WMPD03-2-4-X-B2 Power Divider

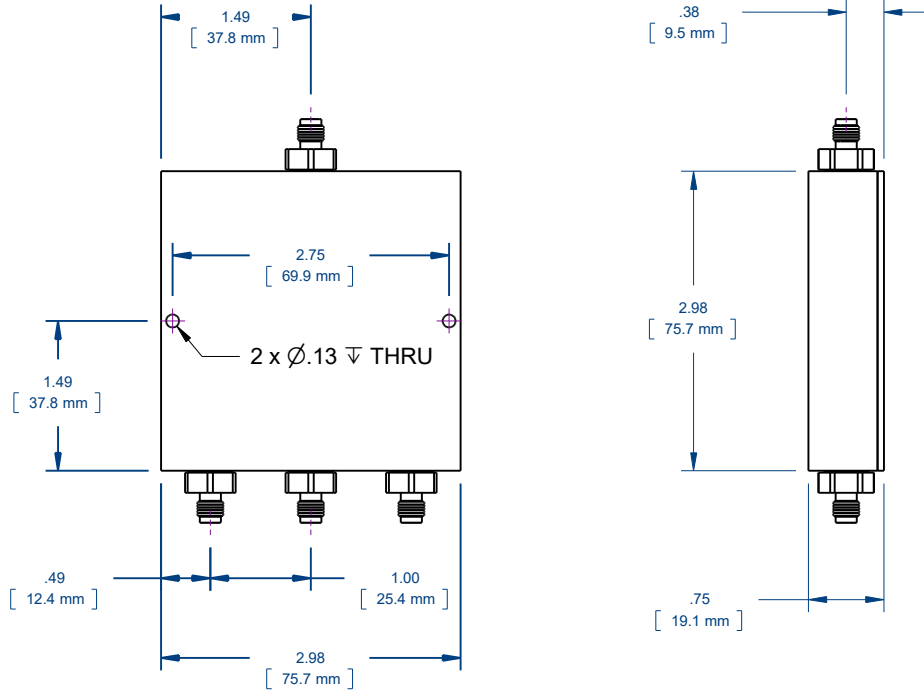
3-way Microstrip, 2-4GHz, SMA or N-Female

RoHS
Compliant

UNLESS OTHERWISE SPECIFIED:
 DIMENSIONS ARE IN INCHES
 [mm] SHOWN FOR CONVENIENCE
 TOLERANCES ON:
 2 PL DECIMALS: ± .03
 3 PL DECIMALS: ± .015
 ANGLES: ± 1°

TEST DATA
ON
NEXT PAGE

Connectors	Order Part Number
SMA-Female	WMPD03-2-4-S-B2
N-Female	WMPD03-2-4-N-B2
Other	Special, Consult Factory



Electrical Specifications	Min	Typ	Max	Unit	Notes
Frequency Range	2		4	GHz	
Impedance		50		Ohms	
Insertion Loss		0.3	0.8	dB	Above 4.78 dB loss due to splitting.
Amplitude Unbalance		< 0.4	0.8	dB	
Phase Unbalance		± 2	6	deg	
Isolation	18	> 24		dB	
Common Port VSWR		1.2	1.4	:1	
Split Ports VSWR		1.3	1.4	:1	
Input Power			20	W	Coherent splitting into load VSWR 1.20:1 max.
Mechanical Specifications	Min	Typ	Max	Unit	Notes
Operating Temperature	-55		+85	°C	Tested at +25 °C.
Storage Temperature	-55		+125	°C	
Relative Humidity			85	%	Non-condensing.
Operating Environment					Indoor use only.
Enclosure Material					Aluminum Alloy 6061 and 5052
Enclosure Finish					RoHS Complaint Clear Chemical Film per MIL-DTL-5541 Class 3
Connectors Material					Body: Stainless Steel 303 Contact Pin: Beryllium Copper, Gold Plate Insulator: PTFE
Solder Alloy					Sn 96.5, Ag 3.0, Cu 0.5

Specifications subject to change without notice.
 This document shall not form part of a contract.

SIZE A	CAGE CODE 78YZ0	DRWG NO. SPEC-WMPD03-2-4-X-B2	REV. 1
SCALE 1 : N/A		SHEET	



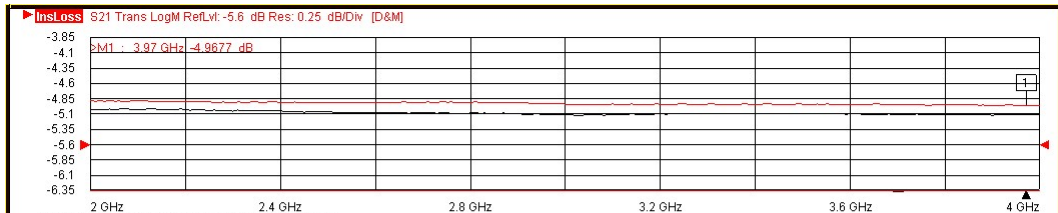
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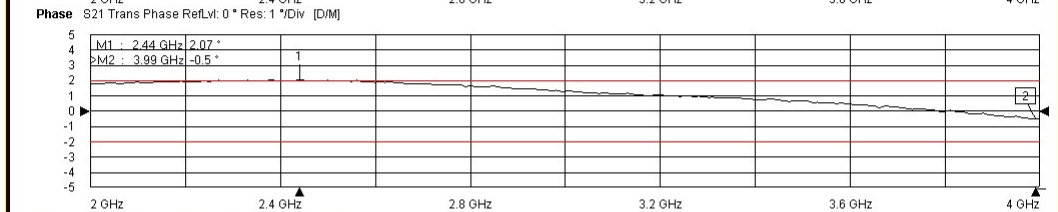
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==TYPICAL TEST DATA PERFORMANCE==
Actual unit to unit performance may vary.

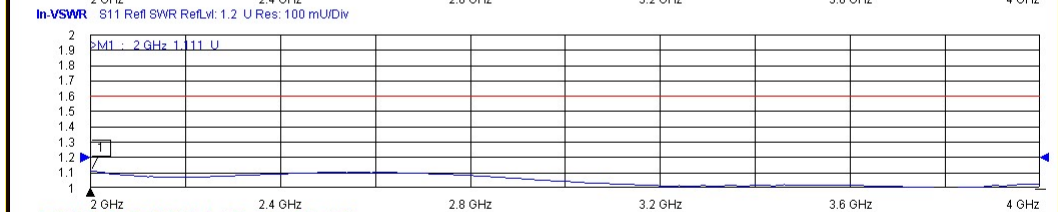
Insertion Loss
Amplitude Balance



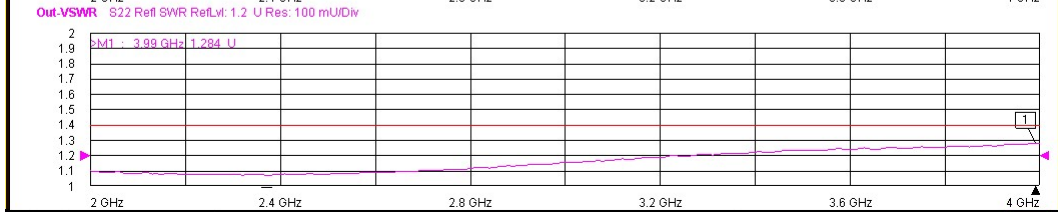
Phase Balance



Input Return Loss

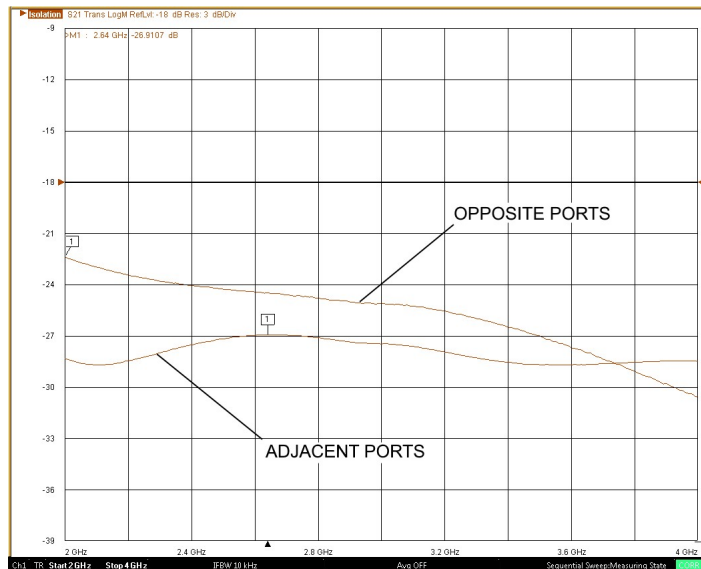


Output Return Loss



Ch1 TR Start 2GHz Stop 4GHz IFBW 10 kHz Avg OFF Sequential Sweep Measuring State CORR

Isolation



Ch1 TR Start 2GHz Stop 4GHz IFBW 10 kHz Avg OFF Sequential Sweep Measuring State CORR