



Model WMPD02-4-18-S Power Divider

2-way, Stripline, 4-18GHz, SMA-Female

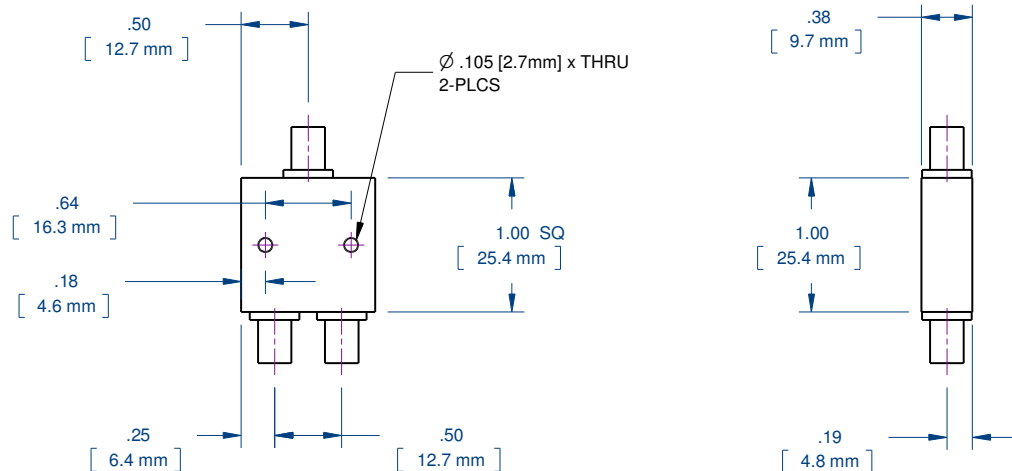
RoHS
Compliant

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES
[mm] SHOWN FOR CONVENIENCE
TOLERANCES ON:
2 PL DECIMALS: $\pm .03$
3 PL DECIMALS: $\pm .015$
ANGLES: $\pm 1^\circ$

TEST DATA
on
NEXT PAGE

FEATURES:

- * Broad frequency response: one part for many applications.
- * Compact size: 1 inch square x 3/8 inch thick.
- * Tuning screws for precise phase matching and VSWR optimization during manufacturing.
- * Field-replaceable connectors relieve mechanical stress on solder connections.



Electrical Specifications	Min	Typ	Max	Unit	Notes
Frequency Range	4		18	GHz	
Impedance		50		Ohms	
Insertion Loss		0.4	0.6	dB	Above 3.01 dB loss due to splitting.
Amplitude Unbalance		0.1	0.3	dB	
Phase Unbalance		2	4	deg	
Isolation	18	21		dB	
Common Port VSWR		1.4	1.6	:1	
Split Ports VSWR		1.3	1.4	:1	
Input Power			10	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. Weatherproofing available.				
Enclosure Material	Aluminum Alloy 6061				
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-WMPD02-4-18-S

REV.
0

SCALE 1 : N/A

SHEET



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Made in U.S.A.

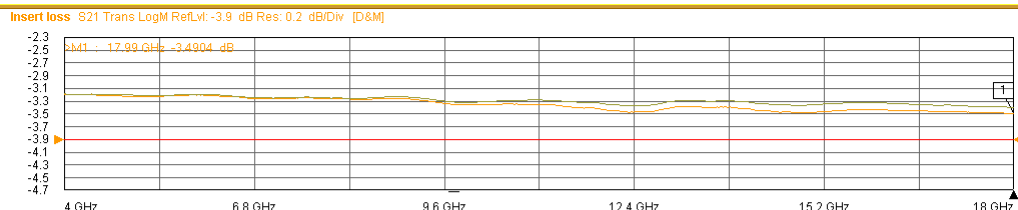
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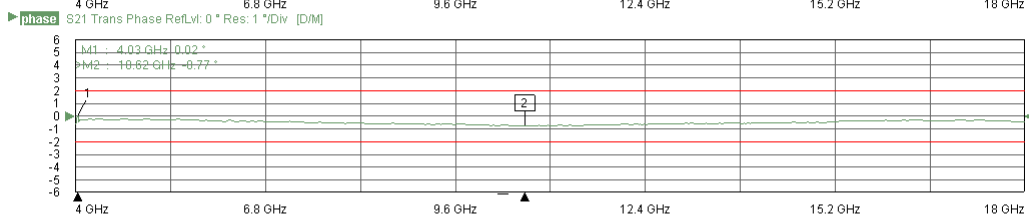
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Typical Performance Test Data

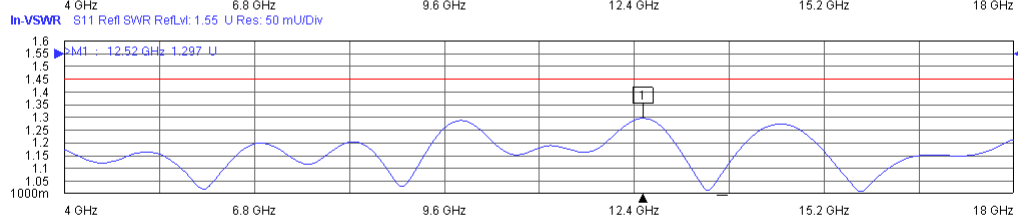
Insertion Loss /
Amplitude Balance



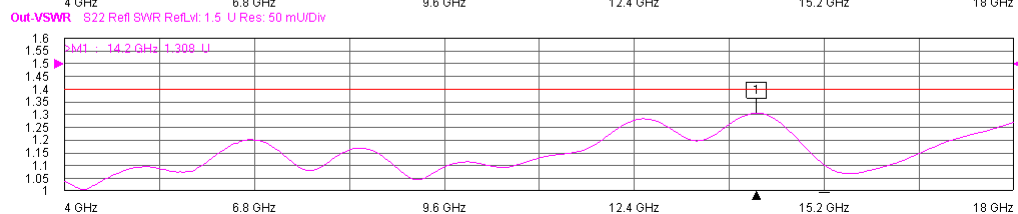
Phase Unbalance



Input Return Loss



Output Return Loss



Isolation

