



Made in U.S.A.

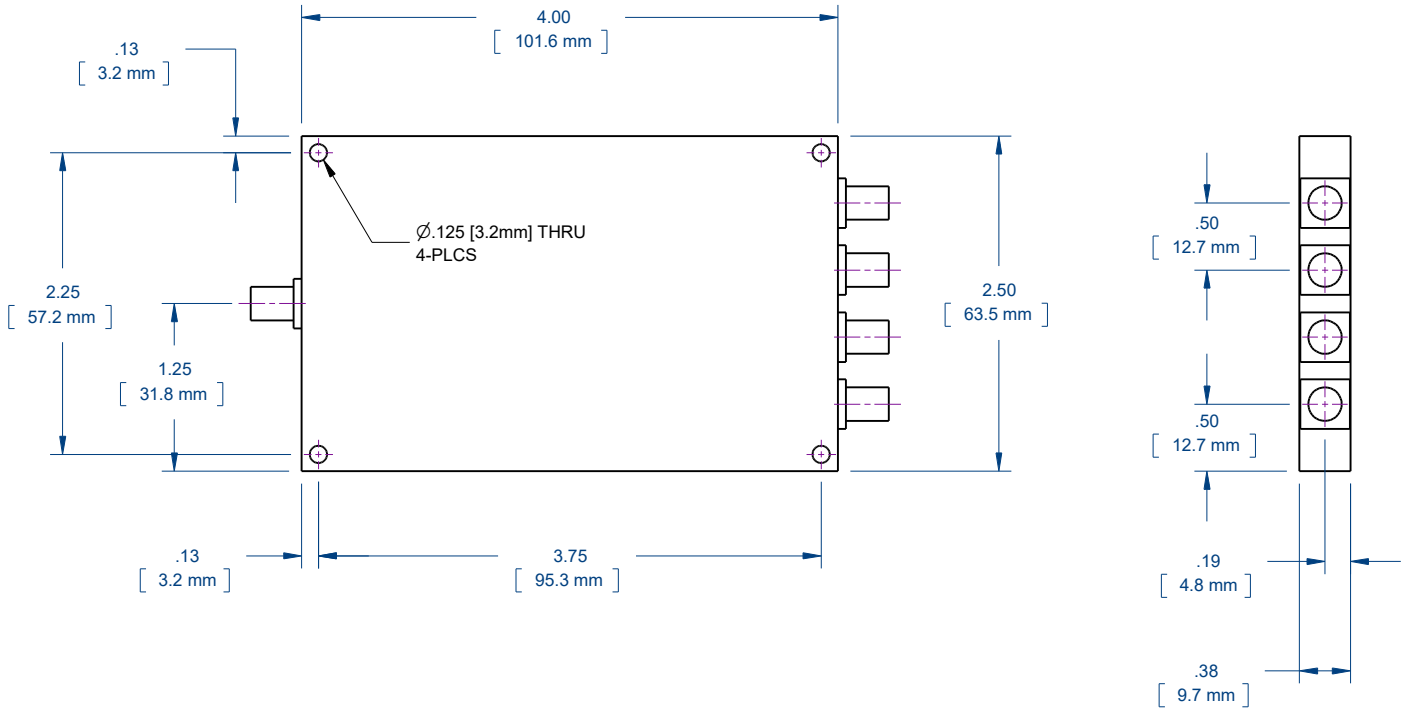
## Model WMPD04-2-18-S Power Divider

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



Electrical Specifications	Min	Typ	Max	Unit	Notes
Frequency Range	2		18	GHz	
Impedance		50		Ohms	
Insertion Loss		0.7	1.5	dB	Above 6.02 dB loss due to splitting.
Amplitude Unbalance		0.3	0.8	dB	
Phase Unbalance		± 2	6	deg	
Isolation	16	> 18		dB	
Common Port VSWR		< 1.6	1.8	:1	
Split Ports VSWR		< 1.4	1.5	:1	
Input Power			30	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.				
Enclosure Finish	RoHS Complaint Clear Chem. 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.  
REPLACES P/N's 4PS0218 and WMPD04-2-18-S-X  
Request product change notice PCN-1001.

SIZE  
**A**

CAGE CODE  
78YZ0

DRWG NO.  
SPEC-WMPD04-2-18-S

REV.  
1

SCALE 1 : N/A

SHEET



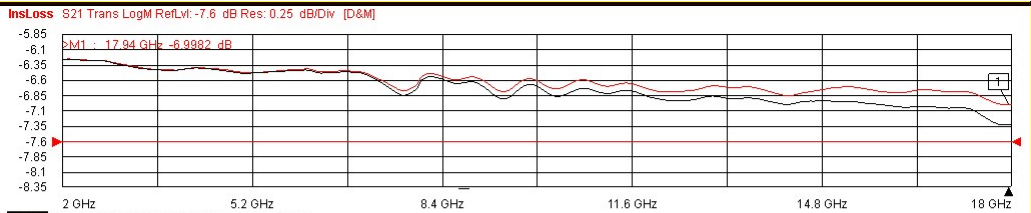
## Model WMPD04-2-18-S Power Divider

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

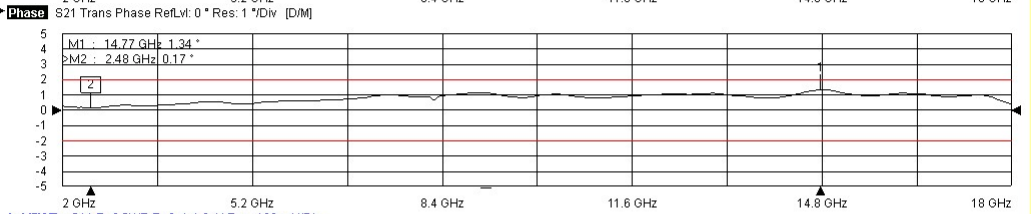
RoHS  
Compliant

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

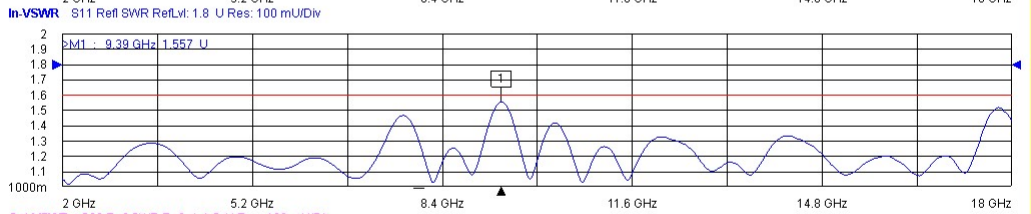
Insertion Loss  
Amplitude Balance



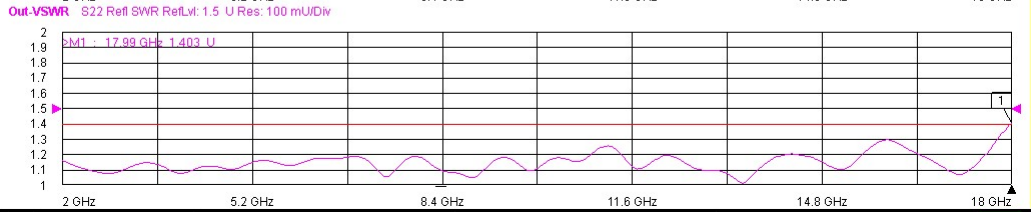
Phase Balance



Input Return Loss



Output Return Loss



Ch1 TR Start 2GHz Stop 18GHz IFBW 10 kHz Avg OFF Sequential Sweep: Measuring State CORR

Isolation

