



## Power Divider with Wide Output Spacing

4-way Microstrip, 0.5-6GHz, N or SMA-Female

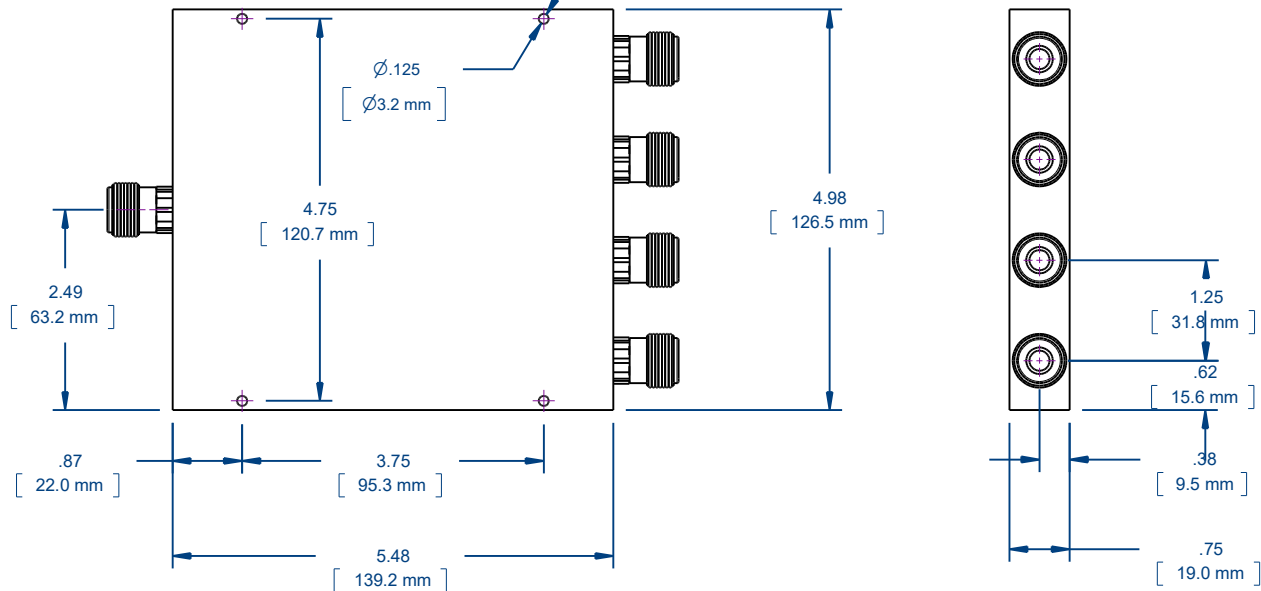
RoHS  
Compliant

Performance data plots on following page.

UNLESS OTHERWISE SPECIFIED:  
 DIMENSIONS ARE IN INCHES  
 [mm] SHOWN FOR CONVENIENCE

TOLERANCES ON:  
 2 PL DECIMALS: ± .03  
 3 PL DECIMALS: ± .015  
 ANGLES: ± 1°

Connectors	Order Part Number
SMA-Female	WMPD04-0.5-6-S-B4
N-Female	WMPD04-0.5-6-N-B4
Other	Special, Consult Factory



Specifications	Min	Typ	Max	Unit	Notes
Frequency Range	0.5		6.0	GHz	
Impedance		50		Ohms	Design to meet.
Insertion Loss (above 6.02 dB)			0.9	dB	500-3,000 MHz
			1.2	dB	3,000-6,000 MHz
Amplitude Unbalance		0.25	0.4	dB	
Phase Unbalance		2	6	deg	
Isolation (0.6-6.0GHz)	16			dB	500-600 MHz.
	18	23		dB	600-6,000 MHz
Common Port VSWR			1.5	:1	500-600 MHz
		1.3	1.45	:1	600-6,000 MHz
Split Ports VSWR		1.2	1.25	:1	
Input Power as Coherent Splitter			30	W	Load VSWR 1.20:1 max.
Combining Power, Coherent			7.5	W/port	Load VSWR 1.20:1 max.
Combining Power, Non-Coherent			0.5	W/port	Load VSWR 1.20:1 max.
Operating Temperature	-55		+85	°C	
Relative Humidity			85	%	Non-condensing.
Operating Environment	Indoor use only.				Weatherproofing optional.
Enclosure Material / Finish	Aluminum 6061 and 5052 Alloys.				Clear Chem Film per MIL-DTL-5541 Class 3
Connectors Material	Body: Stainless Steel 303, Passivated. Insulator: PTFE. Contact: BeCu, Gold-Plated.				
Solder Alloys Used	Sn 96.5, Ag 3.0, Cu 0.5				

REV	DESCRIPTION	DATE	APPROVED
0	Engineering release.	3-7-2018	ETW

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

SIZE <b>A</b>	CAGE CODE 78YZ0	DRWG NO. SPEC-WMPD04-0.5-6-X-B4	REV. 0
SCALE 1 : N/A		SHEET	

## Power Divider with Wide Output Spacing

4-way Microstrip, 0.5-6GHz, N or SMA-Female

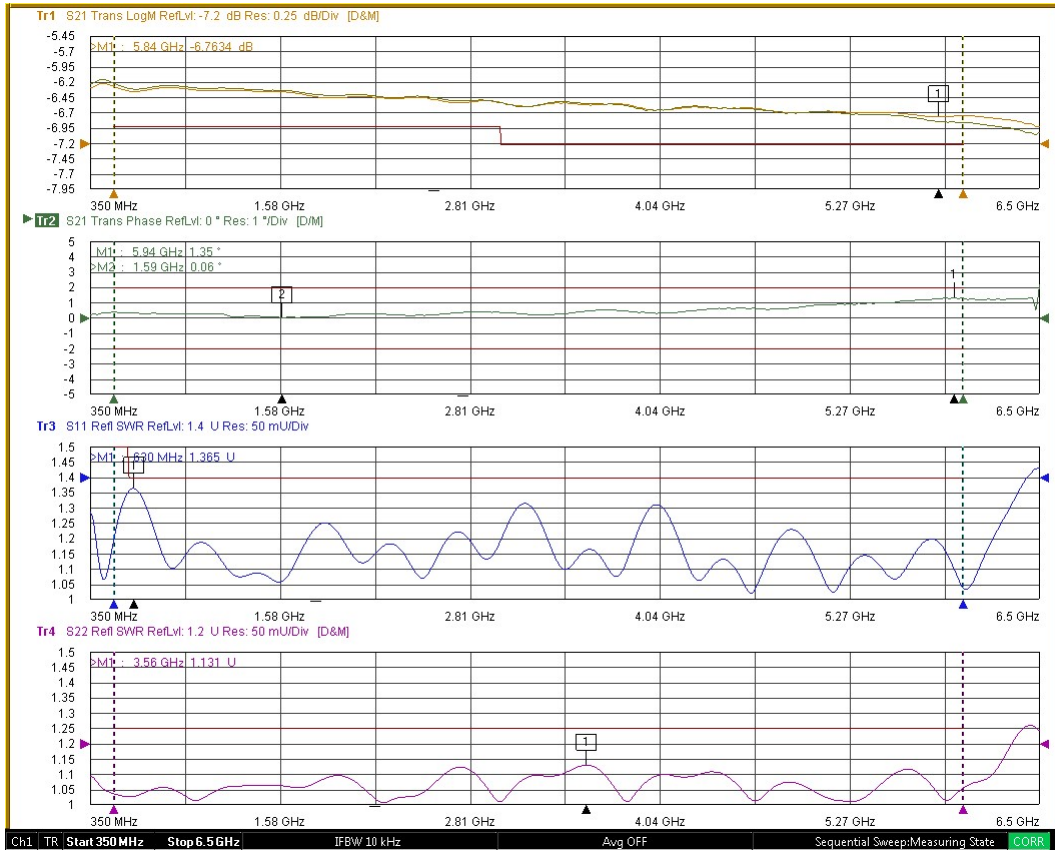
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### TYPICAL PERFORMANCE DATA PLOTS

Actual unit-to-unit performance may vary.

Useable over the band 350-650MHz with some degradation of performance; notably isolation and insertion loss.

Insertion Loss  
Amplitude Balance



Common Port  
VSWR

Split Port  
VSWR

Isolation

