

Power Splitter/Combiner

ZB4PD1-2000+

4 Way-0° 50Ω 800 to 2000 MHz

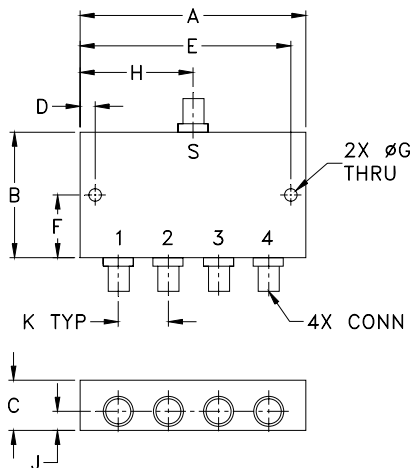
Maximum Ratings

Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
Power Input (as a splitter)	10W max.
Internal Dissipation	0.375W max.
DC Current	1.2 A (300mA for each port)
Permanent damage may occur if any of these limits are exceeded.	

Coaxial Connections

SUM PORT	S
PORT 1	1
PORT 2	2
PORT 3	3
PORT 4	4

Outline Drawing



Outline Dimensions (inch/mm)

A	B	C	D	E	F
3.50	2.13	.88	.150	3.350	1.06
88.90	54.10	22.35	3.81	85.09	26.92
G	H	J	K	wt	
.125	1.75	.44	.89	grams	
3.18	44.45	11.18	22.61	260	

Features

- wideband, 800 to 2000 MHz
- good isolation, 25 dB typ.
- excellent output VSWR, 1.1:1 typ.
- up to 10W power input as splitters

Applications

- cellular
- satellite distribution
- GPS



SMA version shown
CASE STYLE: UU188

Connectors	Model
BNC	ZB4PD1-2000+
SMA	ZB4PD1-2000-S+
N-TYPE	ZB4PD1-2000-N+

+RoHS Compliant

The +Suffix identifies RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications

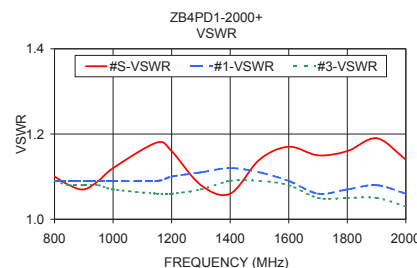
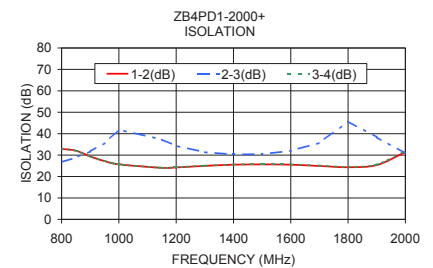
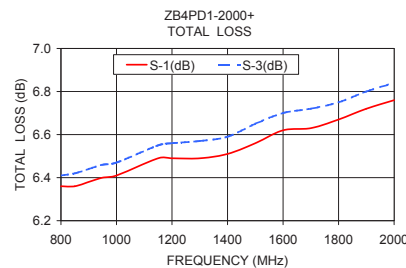
Electrical Specifications

FREQ. RANGE (MHz)	ISOLATION (dB)		INSERTION LOSS (dB) ABOVE 6.0 dB		AMPLITUDE UNBALANCE (dB)	PHASE UNBALANCE (deg.)	VSWR (:1)			
	Typ.	Min.	Typ.	Max.			S		OUT	
$f_L - f_U$					Max.	Max.	Typ.	Max.	Typ.	Max.
800-2000	25	18	0.6	1.2	0.3	5	1.20	1.60	1.15	1.55

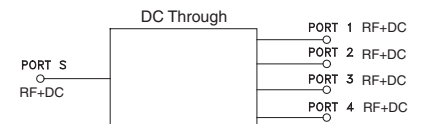
Typical Performance Data

Freq. (MHz)	Total Loss ¹ (dB)				Amp. Unbal. (dB)	Isolation (dB)			Phase Unbal. (deg.)	VSWR				
	S-1	S-2	S-3	S-4		1-2	2-3	3-4		S	1	2	3	4
800.00	6.36	6.41	6.41	6.38	0.06	32.90	26.70	32.77	0.48	1.10	1.09	1.09	1.09	1.09
850.00	6.36	6.42	6.42	6.39	0.06	32.05	28.92	32.02	0.58	1.08	1.09	1.08	1.08	1.09
900.00	6.38	6.43	6.44	6.40	0.06	29.39	31.73	29.33	0.59	1.07	1.09	1.08	1.08	1.08
950.00	6.40	6.45	6.46	6.42	0.06	27.19	35.63	27.21	0.62	1.09	1.09	1.07	1.08	1.08
1000.00	6.41	6.48	6.47	6.43	0.07	25.70	41.89	25.69	0.68	1.12	1.09	1.06	1.07	1.07
1150.00	6.49	6.55	6.55	6.50	0.07	24.04	37.23	24.15	0.73	1.18	1.09	1.05	1.06	1.06
1200.00	6.49	6.57	6.56	6.50	0.08	24.24	34.33	24.33	0.72	1.16	1.10	1.06	1.06	1.06
1300.00	6.49	6.57	6.57	6.50	0.08	24.95	31.35	25.08	0.77	1.08	1.11	1.07	1.07	1.08
1400.00	6.51	6.60	6.59	6.51	0.09	25.51	30.29	25.61	0.75	1.06	1.12	1.08	1.09	1.10
1500.00	6.56	6.65	6.65	6.56	0.09	25.67	30.43	25.74	0.83	1.14	1.11	1.09	1.09	1.11
1600.00	6.62	6.70	6.70	6.61	0.10	25.54	32.04	25.62	0.87	1.17	1.09	1.07	1.08	1.10
1700.00	6.63	6.72	6.72	6.62	0.10	24.93	35.72	25.07	0.95	1.15	1.06	1.04	1.05	1.07
1800.00	6.67	6.76	6.75	6.64	0.12	24.33	45.72	24.51	0.89	1.16	1.07	1.04	1.05	1.06
1900.00	6.72	6.81	6.80	6.68	0.13	25.35	38.36	25.59	0.91	1.19	1.08	1.05	1.05	1.06
2000.00	6.76	6.85	6.84	6.72	0.13	31.41	30.77	31.99	0.90	1.14	1.06	1.02	1.03	1.03

1. Total Loss = Insertion Loss + 6dB splitter loss.



electrical schematic



Notes

- A. Performance and quality attributes and conditions not expressly stated in this specification document are intended to be excluded and do not form a part of this specification document.
B. Electrical specifications and performance data contained in this specification document are based on Mini-Circuit's applicable established test performance criteria and measurement instructions.
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