

Coaxial

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.

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

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	Price	Qty.
BNC	ZB4PD1-2000+	\$94.95	(1-9)
SMA	ZB4PD1-2000-S+	\$94.95	(1-9)
N-TYPE	ZB4PD1-2000-N+	\$94.95	(1-9)

+ RoHS compliant in accordance with EU Directive (2002/95/EC)

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

Electrical Specifications

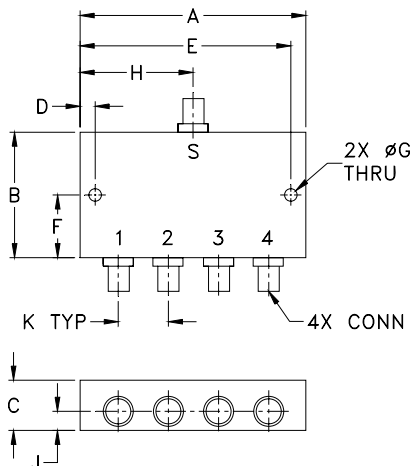
FREQ. RANGE (MHz)	ISOLATION (dB)		INSERTION LOSS (dB) ABOVE 6.0 dB		AMPLITUDE UNBALANCE (dB)	PHASE UNBALANCE (deg.)	VSWR (:1)					
	Typ.	Min.	Typ.	Max.	Max.	Max.	S		OUT			
f_L - f_U							Typ.	Max.	Typ.	Max.		
800-2000	25	18	0.6	1.2	0.3	5	1.20	1.60	1.15	1.55		

Typical Performance Data

Freq. (MHz)	Total Loss ¹ (dB)				Amp. Unbal. (dB)	Isolation (dB)			Phase Unbal. (deg.)	VSWR S	VSWR 1	VSWR 2	VSWR 3	VSWR 4
	S-1	S-2	S-3	S-4		1-2	2-3	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

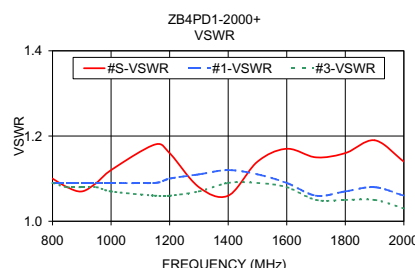
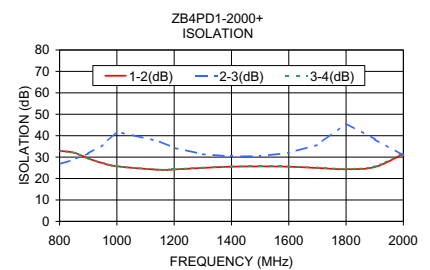
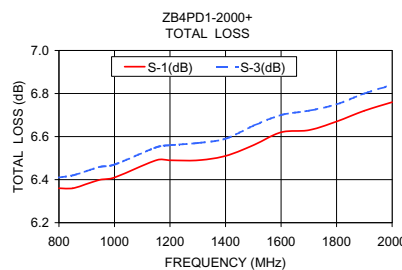
1. Total Loss = Insertion Loss + 6dB splitter loss.

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	



electrical schematic



Mini-Circuits
ISO 9001 ISO 14001 AS 9100 CERTIFIED
IF/RF MICROWAVE COMPONENTS

For detailed performance specs & shipping online see web site

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