

Coaxial Power Splitter/Combiner

4 Way-0° 50Ω 800 to 2000 MHz

ZB4PD1-2000+



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)

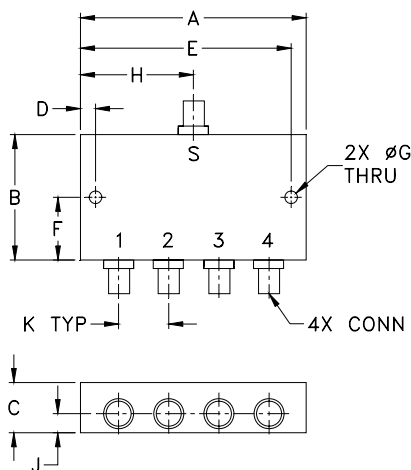
+ RoHS compliant in accordance with EU Directive (2002/95/EC)

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.			S		OUT			
f_L - f_U					Max.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.
800-2000	25	18	0.6	1.2	0.3	5	1.20	1.60	1.15	1.55		

Outline Drawing

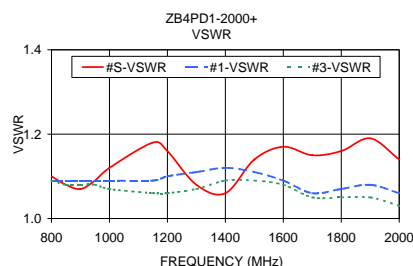
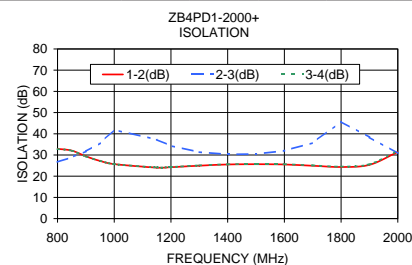
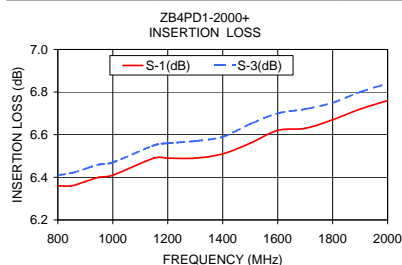


Outline Dimensions (inch/mm)

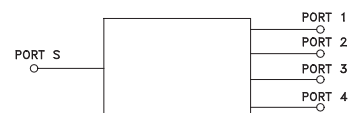
A	B	C	D	E	F
3.50	2.13	.88	.150	3.350	1.06
88.90	54.10	22.35	3.81	85.09	26.92
G	H	J	K	wt	
.125	1.75	.44	.89	grams	
3.18	44.45	11.18	22.61	260	

Typical Performance Data

Freq. (MHz)	Insertion Loss (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



electrical schematic



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