

Coaxial

Power Splitter/Combiner

4 Way-0°

50Ω

800 to 2000 MHz

ZB4PD1-2000+
ZB4PD1-2000

 SMA version shown
 CASE STYLE: UU188

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.

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

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

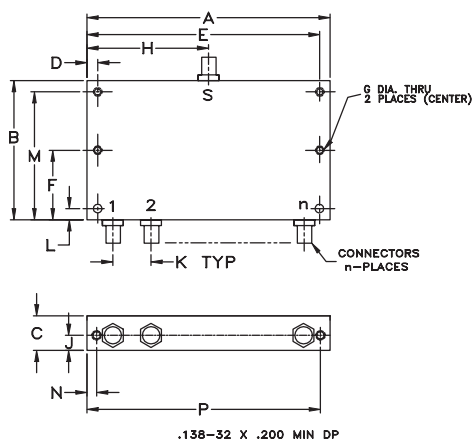
+ RoHS compliant in accordance with EU Directive (2002/95/EC)

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

Splitter Electrical Specifications

FREQ. RANGE (MHz)	ISOLATION (dB)		INSERTION LOSS (dB) ABOVE 6 dB		PHASE UNBALANCE (Degrees)	AMPLITUDE UNBALANCE (dB)	VSWR (:1)			
f_L - f_U	Typ.	Min.	Typ.	Max.	Max.	Max.	S		OUT	
							Typ.	Max.	Typ.	Max.
800-2000	25	18	0.6	1.2	—	0.3	1.20	1.60	1.15	1.55

Outline Drawing

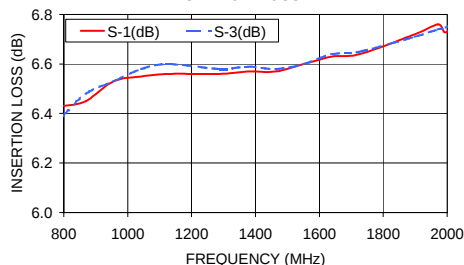
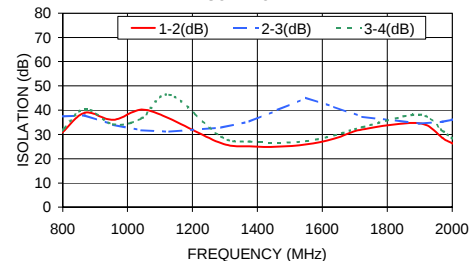
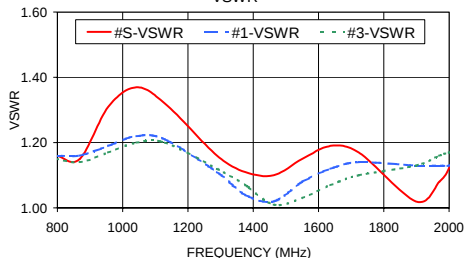


Outline Dimensions (inch/mm)

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)			VSWR S	VSWR 1	VSWR 2	VSWR 3	VSWR 4
	S-1	S-2	S-3	S-4		1-2	2-3	3-4					
796.00	6.43	6.36	6.39	6.49	0.13	30.41	37.43	31.33	1.16	1.16	1.15	1.15	1.13
868.50	6.45	6.46	6.48	6.47	0.02	38.89	37.81	40.48	1.15	1.16	1.15	1.14	1.13
955.50	6.53	6.52	6.53	6.52	0.01	35.98	33.94	34.14	1.31	1.19	1.18	1.17	1.16
1042.50	6.55	6.56	6.58	6.59	0.04	40.22	31.76	36.51	1.37	1.22	1.21	1.20	1.18
1129.50	6.56	6.57	6.60	6.57	0.03	36.52	31.12	46.39	1.32	1.21	1.21	1.20	1.18
1289.00	6.56	6.57	6.58	6.57	0.02	26.36	32.78	29.03	1.16	1.11	1.13	1.12	1.11
1376.00	6.57	6.58	6.59	6.60	0.03	25.09	35.33	27.07	1.11	1.04	1.07	1.07	1.07
1463.00	6.57	6.58	6.58	6.60	0.03	24.97	40.07	26.60	1.10	1.02	1.01	1.01	1.03
1550.00	6.60	6.59	6.60	6.61	0.01	25.83	45.06	27.21	1.15	1.08	1.05	1.03	1.04
1637.00	6.63	6.64	6.64	6.65	0.02	28.22	41.29	29.53	1.19	1.12	1.09	1.07	1.05
1724.00	6.64	6.66	6.65	6.68	0.03	32.04	37.29	32.99	1.17	1.14	1.13	1.10	1.05
1898.00	6.72	6.74	6.71	6.75	0.04	34.64	34.51	38.14	1.02	1.13	1.15	1.13	1.05
1970.50	6.76	6.77	6.74	6.76	0.03	28.56	35.21	31.50	1.08	1.13	1.17	1.16	1.06
1999.50	6.73	6.78	6.75	6.77	0.05	26.39	36.03	28.54	1.12	1.13	1.18	1.17	1.07
2057.50	6.85	6.85	6.80	6.84	0.05	22.86	37.33	24.27	1.25	1.15	1.19	1.18	1.10

 ZB4PD1-2000
 INSERTION LOSS

 ZB4PD1-2000
 ISOLATION

 ZB4PD1-2000
 VSWR


electrical schematic



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 REV. A
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