Coaxial

Power Splitter/Combiner

ZB8PD-2000+

8 Way-0° 50Ω 800 to 2000 MHz

SMA version shown

CASE STYLE: Z41

Connectors	Model	Price	Qty.
SMA	ZB8PD-2000-S+	$149.95	(1-9)
N-TYPE	ZB8PD-2000-N+	$149.95	(1-9)

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

The +Suffix has been added in order to identify RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications.

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	0.875W max.

Permanent damage may occur if any of these limits are exceeded.

Coaxial Connections

SUM PORT	S
PORT 1,2,3,4,5,6,7,8	1,2,3,4,5,6,7,8

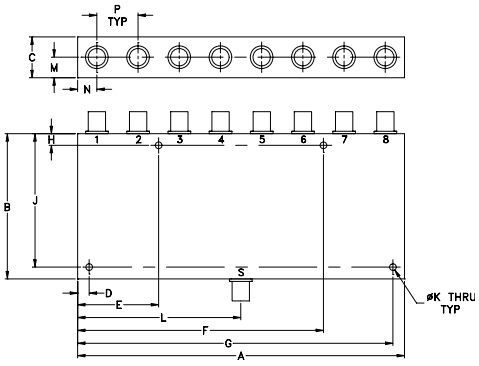
Features

- wideband, 800 to 2000 MHz
- low insertion loss, 0.8 dB typ.
- good isolation, 26 dB typ.
- up to 10W power input
- rugged, shielded case

Applications

- cellular
- PCS/DCS
- communication systems
- GPS

Outline Drawing



Outline Dimensions (inch / mm)

A	B	C	D	E	F	G	H
7.06	3.13	.88	.250	1.750	5.310	6.810	.250
179.32	79.50	22.35	6.35	44.45	134.87	172.97	6.35

J	K	L	M	N	P	wt
2.875	.144	3.53	.44	.415	.89	grams
73.03	3.66	89.66	11.18	10.54	22.61	800

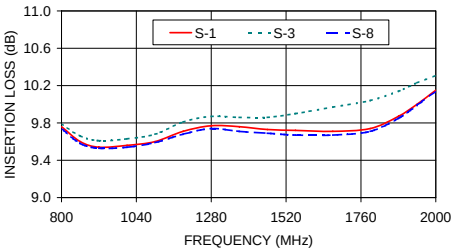
Electrical Specifications

FREQ. RANGE (MHz)	ISOLATION (dB)		INSERTION LOSS (dB) ABOVE 9.0 dB		AMPLITUDE UNBALANCE (dB)	VSWR (:1)			
						S		OUT	
f_L-f_U	Typ.	Min.	Typ.	Max.	Max.	Typ.	Max.	Typ.	Max.
800-2000	26	18	0.8	1.7	0.7	1.25	1.8	1.10	1.40

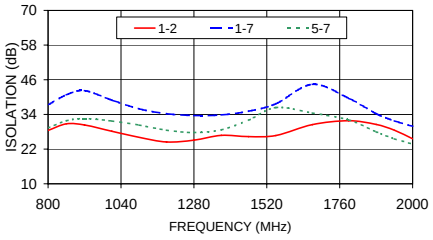
Typical Performance Data

Freq. (MHz)	Insertion Loss (dB)						Amp. Unb. (dB)	Isolation (dB)				VSWR S	VSWR 1	VSWR 8
	S-1	S-2	S-3	S-4	S-6	S-8		1-2	1-7	3-4	5-7			
800.00	9.76	9.73	9.79	9.79	9.79	9.74	0.09	28.47	37.32	28.73	29.35	1.57	1.18	1.18
860.00	9.60	9.59	9.66	9.65	9.66	9.58	0.11	30.74	40.77	29.19	31.82	1.32	1.16	1.17
920.00	9.54	9.53	9.61	9.61	9.62	9.53	0.12	30.34	42.25	27.83	32.55	1.14	1.13	1.14
1010.00	9.56	9.54	9.63	9.61	9.62	9.54	0.11	28.17	38.97	27.10	31.74	1.03	1.09	1.11
1100.00	9.60	9.59	9.68	9.67	9.68	9.59	0.13	26.08	35.94	26.63	30.33	1.16	1.07	1.08
1190.00	9.71	9.69	9.81	9.80	9.81	9.68	0.14	24.48	34.27	28.30	28.57	1.37	1.04	1.05
1280.00	9.77	9.74	9.87	9.87	9.88	9.74	0.16	25.11	33.63	33.65	27.75	1.43	1.04	1.02
1370.00	9.76	9.73	9.86	9.86	9.87	9.71	0.18	26.76	33.85	31.28	28.67	1.34	1.05	1.03
1460.00	9.73	9.72	9.86	9.86	9.86	9.69	0.20	26.34	35.13	30.13	32.02	1.22	1.09	1.08
1550.00	9.72	9.71	9.90	9.88	9.89	9.67	0.25	26.69	37.70	30.05	36.39	1.12	1.12	1.12
1670.00	9.71	9.70	9.97	9.94	9.96	9.67	0.30	30.47	44.42	27.53	34.49	1.06	1.12	1.13
1790.00	9.74	9.73	10.04	9.99	10.02	9.71	0.33	31.81	39.60	30.28	32.09	1.10	1.12	1.14
1880.00	9.87	9.85	10.14	10.08	10.13	9.85	0.30	30.53	34.25	33.42	27.99	1.32	1.13	1.16
1940.00	10.00	9.98	10.23	10.15	10.21	9.99	0.25	28.54	31.79	33.03	25.57	1.49	1.14	1.18
2000.00	10.15	10.12	10.31	10.24	10.29	10.14	0.19	25.57	29.90	31.37	23.78	1.62	1.17	1.20

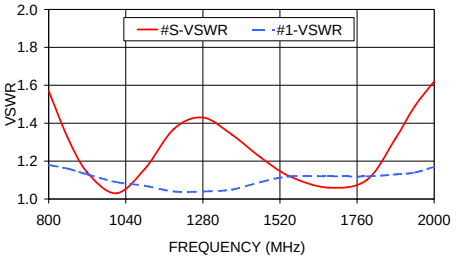
ZB8PD-2000+
INSERTION LOSS



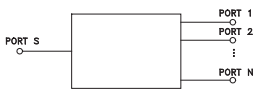
ZB8PD-2000+
ISOLATION



ZB8PD-2000+
VSWR



electrical schematic



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