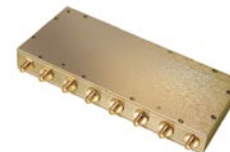


# Coaxial Power Splitter/Combiner

8 Way-0° 50Ω 800 to 2000 MHz

ZB8PD-2000+  
ZB8PD-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	0.875W max.

## Coaxial Connections

SUPPORT	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

## Splitter Electrical Specifications

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

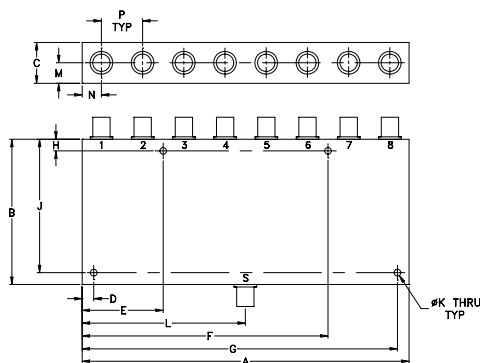
SMA version shown  
CASE STYLE: Z41

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

## Outline Drawing



## Outline Dimensions (inch/mm)

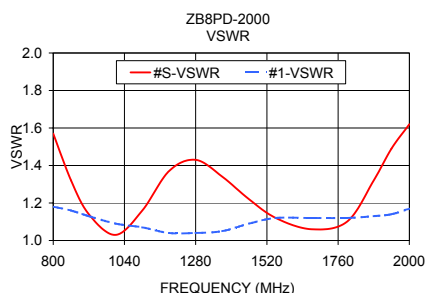
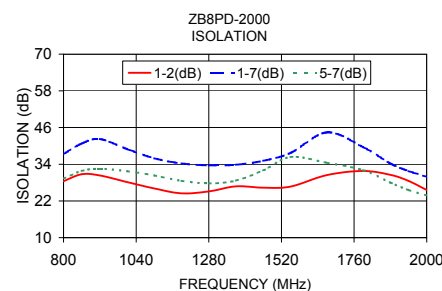
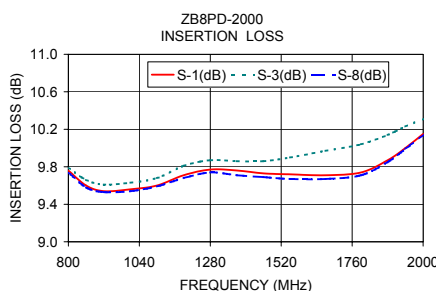
A	B	C	D	E	F	G	H
7.06	3.13	.88	.250	1.750	5.310	6.810	.250
179.32	79.50	22.35	6.35	44.45	134.87	172.97	6.35

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

## 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



## electrical schematic

