Coaxial

Power Splitter/Combiner

8 Way-0° 50Ω 1000 to 2000 MHz

ZB8PD-2+
ZB8PD-2

SMA version shown

CASE STYLE: Z41

Connectors	Model	Price	Qty.
SMA	ZB8PD-2-S(+)	$138.95	(1-9)
N-TYPE	ZB8PD-2-N(+)	$138.95	(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.

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

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

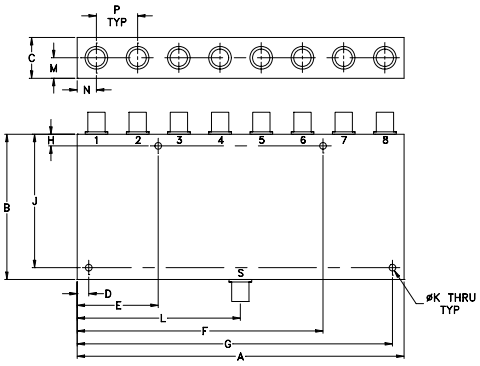
Features

- wideband, 1000 to 2000 MHz
- low insertion loss, 0.8 dB typ.
- good isolation, 24 dB typ.
- up to 10W power input as splitter

Applications

- GPS
- PCS/DCS
- communication systems
- instrumentation

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

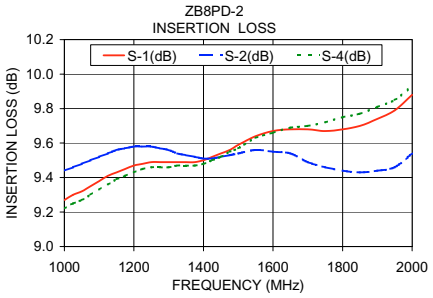
J	K	L	M	N	P	wt
2.875	.144	3.53	.44	.415	.89	grams
73.03	3.66	89.66	11.18	10.54	22.61	800

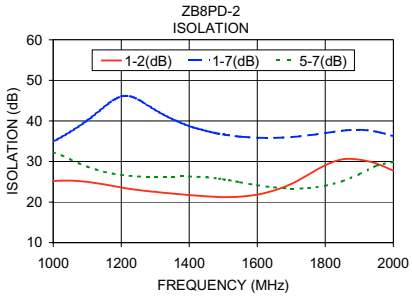
Splitter Electrical Specifications

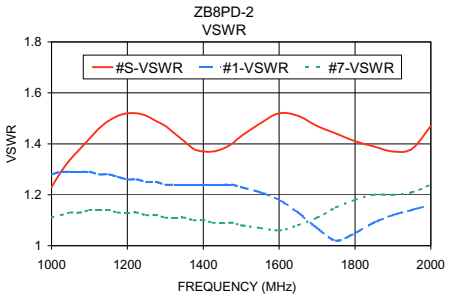
FREQ. RANGE (MHz)	ISOLATION (dB)		INSERTION LOSS (dB) ABOVE 9.0 dB		PHASE UNBALANCE (Degrees)	AMPLITUDE UNBALANCE (dB)
f_L-f_U	Typ.	Min	Typ.	Max.	Max.	Max.
1000-2000	24	17	0.8	1.3	18	0.8

Typical Performance Data

Freq. (MHz)	Insertion Loss (dB)						Amp. Unb. (dB)	Isolation (dB)				Phase Unb. (deg.)	VSWR S	VSWR 1	VSWR 7
	S-1	S-2	S-3	S-4	S-6	S-8		1-2	1-7	3-4	5-7				
1000.00	9.27	9.44	9.41	9.22	9.42	9.26	0.21	25.18	34.96	24.73	32.31	3.71	1.23	1.28	1.11
1050.00	9.32	9.48	9.45	9.27	9.47	9.31	0.20	25.29	37.28	24.99	30.56	3.95	1.34	1.29	1.13
1100.00	9.38	9.52	9.49	9.33	9.52	9.36	0.19	24.98	40.13	24.89	28.74	4.22	1.42	1.29	1.14
1200.00	9.47	9.58	9.56	9.43	9.57	9.45	0.15	23.61	46.04	23.80	26.70	4.72	1.52	1.26	1.13
1250.00	9.49	9.58	9.56	9.46	9.57	9.47	0.12	22.98	45.29	23.18	26.33	4.96	1.51	1.25	1.12
1300.00	9.49	9.56	9.54	9.46	9.55	9.48	0.09	22.51	42.73	22.68	26.24	5.18	1.47	1.24	1.11
1400.00	9.50	9.51	9.51	9.48	9.50	9.48	0.03	21.74	38.74	21.81	26.31	5.59	1.37	1.24	1.10
1500.00	9.59	9.54	9.52	9.57	9.52	9.55	0.09	21.23	36.68	21.24	25.62	5.87	1.43	1.23	1.08
1600.00	9.67	9.55	9.53	9.66	9.54	9.61	0.19	21.83	35.86	21.81	24.19	6.07	1.52	1.18	1.06
1700.00	9.68	9.49	9.48	9.70	9.51	9.62	0.28	24.50	36.02	24.45	23.35	6.27	1.47	1.07	1.11
1750.00	9.67	9.46	9.46	9.72	9.48	9.62	0.32	26.73	36.45	26.75	23.46	6.38	1.44	1.02	1.15
1800.00	9.68	9.44	9.45	9.75	9.47	9.64	0.36	29.08	37.01	29.40	24.02	6.45	1.41	1.05	1.18
1900.00	9.74	9.44	9.45	9.81	9.46	9.68	0.41	30.46	37.80	31.63	26.84	6.42	1.37	1.12	1.20
1950.00	9.79	9.46	9.47	9.85	9.47	9.72	0.43	29.52	37.34	30.46	28.92	6.35	1.38	1.14	1.21
2000.00	9.88	9.54	9.54	9.93	9.54	9.81	0.45	27.73	36.24	28.25	29.93	6.42	1.47	1.16	1.24







electrical schematic