

# Power Splitter/Combiner

## ZB6PD-2+

6 Way 50Ω 800 to 2000 MHz



HT-Series  
Tight Spot  
SMA Wrench  
From \$24.95

### Maximum Ratings

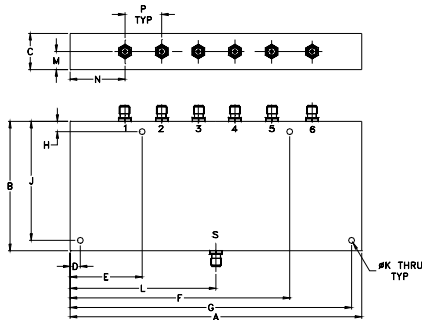
Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
Power Input (as a splitter)	10W max.
Internal Dissipation	0.875W max.
DC Current	1.8A(300mA for each port)

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

### Coaxial Connections

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

### 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	1.31	.89	grams	
73.03	3.66	89.66	11.18	33.27	22.61	800	

### Features

- wideband, 800 to 2000 MHz
- excellent VSWR, 1.1:1 typ. output
- high isolation, 27dB typ.
- rugged, shielded case
- up to 10W power input as splitter

### Applications

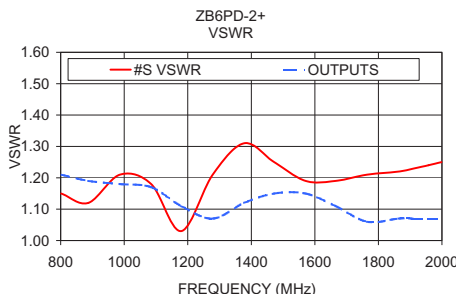
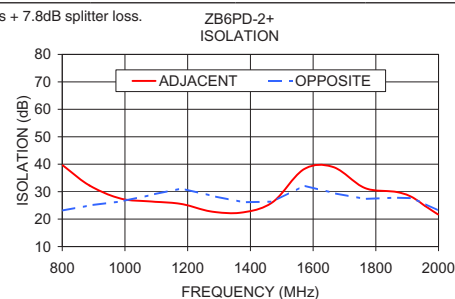
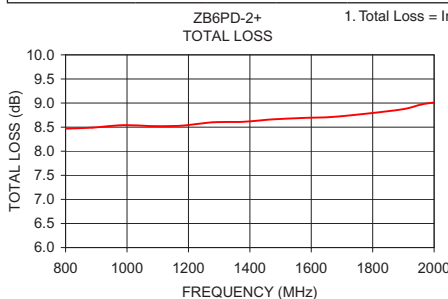
- cellular
- PCN
- instrumentation
- satellite distribution

### Electrical Specifications

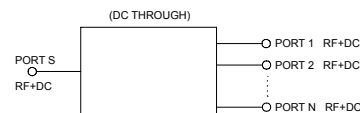
FREQ. RANGE (MHz)	ISOLATION (dB)		INSERTION LOSS (dB) ABOVE 7.8 dB		AMPLITUDE UNBALANCE (dB)	VSWR (:1)			
	Typ.	Min.	Typ.	Max.		S		OUT	
f <sub>L</sub> -f <sub>U</sub>					Max.	Typ.	Max.	Typ.	Max.
800-2000	27	17	0.7	1.7	0.7	1.2	1.6	1.13	1.3

### Typical Performance Data

Frequency (MHz)	Total Loss <sup>1</sup> (dB)	Amplitude Unbalance (dB)	Isolation (dB)		VSWR S	VSWR OUTPUTS
			Adjacent	Opposite		
			801.50	8.47		
887.00	8.49	0.31	32.26	24.98	1.12	1.19
986.50	8.54	0.33	27.48	26.44	1.21	1.18
1085.00	8.52	0.31	26.40	28.83	1.18	1.17
1179.50	8.53	0.31	25.53	31.14	1.03	1.11
1278.50	8.60	0.31	22.70	28.45	1.21	1.07
1377.50	8.61	0.30	22.46	26.13	1.31	1.12
1472.00	8.66	0.30	26.27	26.38	1.25	1.15
1571.00	8.69	0.27	38.21	32.21	1.19	1.15
1665.00	8.71	0.26	38.95	29.48	1.19	1.11
1764.50	8.77	0.33	31.36	27.36	1.21	1.06
1863.50	8.84	0.30	29.93	27.81	1.22	1.07
1913.00	8.89	0.32	28.17	27.62	1.23	1.07
1958.00	8.97	0.34	24.73	25.52	1.24	1.07
1998.50	9.01	0.35	21.70	23.15	1.25	1.07



### electrical schematic



### Notes

- Performance and quality attributes and conditions not expressly stated in this specification document are intended to be excluded and do not form a part of this specification document.
- Electrical specifications and performance data contained in this specification document are based on Mini-Circuit's applicable established test performance criteria and measurement instructions.
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