DC Pass

Power Splitter/Combiner

ZB6PD-2+

6 Way 50Ω 800 to 2000 MHz



HT-Series Tight Spot SMA Wrench From $24.95

SMA version shown

CASE STYLE: Z259

Connectors	Model
SMA	ZB6PD-2-S+
N-TYPE	ZB6PD-2-N+

+RoHS Compliant

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.
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

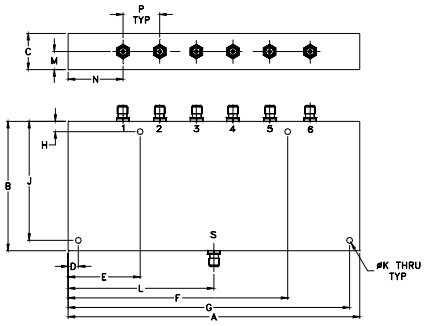
Features

- 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

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

Electrical Specifications

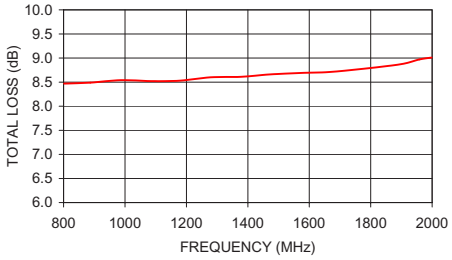
FREQ. RANGE (MHz)	ISOLATION (dB)		INSERTION LOSS (dB) ABOVE 7.8 dB		AMPLITUDE UNBALANCE (dB)	VSWR (:1)			
						S		OUT	
f_L-f_U	Typ.	Min.	Typ.	Max.	Max.	Typ.	Max.	Typ.	Max.
800-2000	27	17	0.7	1.7	0.7	1.2	1.6	1.13	1.3

Typical Performance Data

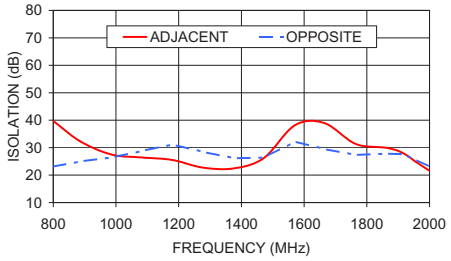
Frequency (MHz)	Total Loss[1] (dB)	Amplitude Unbalance (dB)	Isolation (dB)		VSWR S	VSWR OUTPUTS
			Adjacent	Opposite		
801.50	8.47	0.33	39.60	23.12	1.15	1.21
887.00	8.49	0.31	32.26	24.98	1.12	1.19
986.50	8.54	0.33	27.48	26.44	1.21	1.18
1085.00	8.52	0.31	26.40	28.83	1.18	1.17
1179.50	8.53	0.31	25.53	31.14	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

1. Total Loss = Insertion Loss + 7.8dB splitter loss.

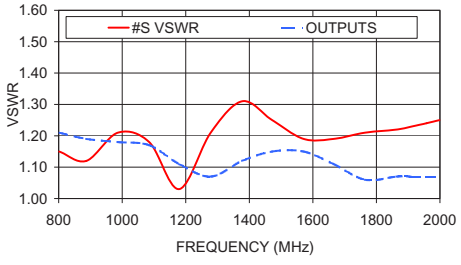
ZB6PD-2+
TOTAL LOSS



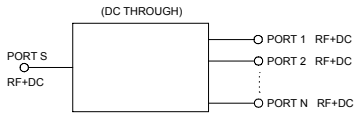
ZB6PD-2+
ISOLATION



ZB6PD-2+
VSWR



electrical schematic



Notes

A. 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.
B. 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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