

Coaxial

Power Splitter/Combiner

4 Way-0° 50Ω 3700 to 4200 MHz

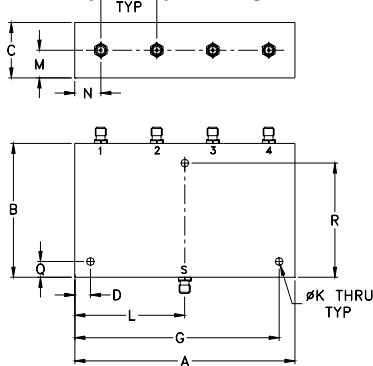
Maximum Ratings

Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
Power Input (as a splitter)	10W max.
Internal Dissipation	0.375W max.

Coaxial Connections

SUMPORT	S
PORT 1	1
PORT 2	2
PORT 3	3
PORT 4	4

Outline Drawing



Outline Dimensions (inch/mm)

A	B	C	D	G	K	
3.50	2.13	.88	.250	3.250	.125	
88.90	54.10	22.35	6.35	82.55	3.18	
L	M	N	P	Q	R	wt
1.750	.44	.415	.89	.250	1.813	grams
44.45	11.18	10.54	22.61	6.35	46.05	250

Features

- wideband, 3700 to 4200 MHz
- up to 10W power input as splitters
- rugged, shielded case

Applications

- wireless
- communication systems
- satellite communications

ZB4PD-4+
ZB4PD-4



SMA version shown
CASE STYLE: Z54

Connectors	Model	Price	Qty.
SMA	ZB4PD-4-S(+)	\$94.95	(1-9)
N-TYPE	ZB4PD-4-N(+)	\$94.95	(1-9)

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

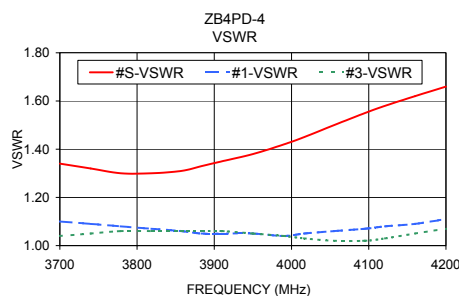
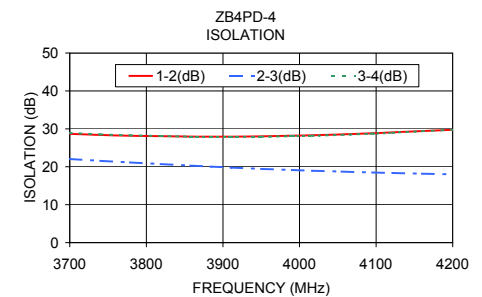
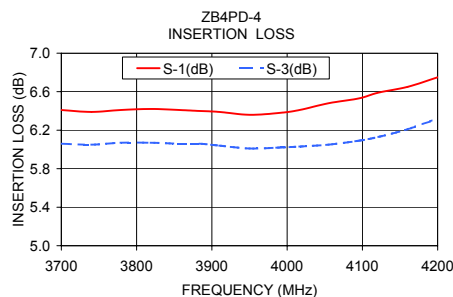
The +Suffix identifies RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications.

Splitter Electrical Specifications

FREQ. RANGE (MHz)	ISOLATION (dB)		INSERTION LOSS (dB) ABOVE 6.0 dB		PHASE UNBALANCE (Degrees)	AMPLITUDE UNBALANCE (dB)
f_L - f_U	Typ.	Min	Typ.	Max.	Max.	Max.
3700-4200	24	15	0.6	1.1	8	0.8

Typical Performance Data

Freq. (MHz)	Insertion Loss (dB)				Amp. Unbal. (dB)	Isolation (dB)			VSWR S	VSWR 1	VSWR 2	VSWR 3	VSWR 4
	S-1	S-2	S-3	S-4		1-2	2-3	3-4					
3700.00	6.41	6.16	6.06	6.43	0.37	28.68	22.06	28.90	1.34	1.10	1.07	1.04	1.11
3740.00	6.39	6.16	6.05	6.42	0.37	28.40	21.57	28.54	1.32	1.09	1.07	1.05	1.11
3778.80	6.41	6.17	6.07	6.45	0.38	28.18	21.13	28.28	1.30	1.08	1.07	1.06	1.10
3818.80	6.42	6.17	6.07	6.47	0.40	28.07	20.72	28.12	1.30	1.07	1.07	1.06	1.09
3857.50	6.41	6.17	6.06	6.47	0.41	27.97	20.30	27.95	1.31	1.06	1.07	1.06	1.09
3883.80	6.40	6.17	6.06	6.46	0.40	27.95	20.05	27.90	1.33	1.05	1.06	1.06	1.08
3910.00	6.39	6.16	6.04	6.44	0.40	27.95	19.80	27.88	1.35	1.05	1.06	1.06	1.08
3950.00	6.36	6.13	6.01	6.41	0.40	28.02	19.44	27.93	1.38	1.05	1.06	1.05	1.09
3990.00	6.38	6.13	6.02	6.43	0.41	28.19	19.16	28.05	1.42	1.04	1.05	1.04	1.09
4016.30	6.41	6.15	6.03	6.45	0.42	28.31	18.96	28.18	1.45	1.05	1.06	1.03	1.10
4055.00	6.48	6.17	6.05	6.51	0.46	28.55	18.72	28.42	1.50	1.06	1.07	1.02	1.11
4095.00	6.53	6.22	6.09	6.54	0.45	28.85	18.49	28.74	1.55	1.07	1.09	1.02	1.12
4121.30	6.59	6.27	6.13	6.58	0.46	29.08	18.36	28.97	1.58	1.08	1.10	1.03	1.13
4160.00	6.65	6.35	6.21	6.64	0.44	29.42	18.17	29.37	1.62	1.09	1.12	1.05	1.14
4200.00	6.75	6.46	6.32	6.71	0.43	29.76	18.00	29.78	1.66	1.11	1.14	1.07	1.15



electrical schematic



Mini-Circuits®

INTERNET <http://www.minicircuits.com>

P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 Fax (718) 332-4661

Distribution Centers NORTH AMERICA 800-654-7949 • 417-335-5935 • Fax 417-335-5945 • EUROPE 44-1252-832600 • Fax 44-1252-837010

Mini-Circuits ISO 9001 & ISO 14001 Certified

REV. A
M107122
ZB4PD-4
HY/TD/CP/AM
060913