

Coaxial

Power Splitter/Combiner

ZB4PD-1750-75+

4 Way-0° 75Ω 875 to 1750 MHz

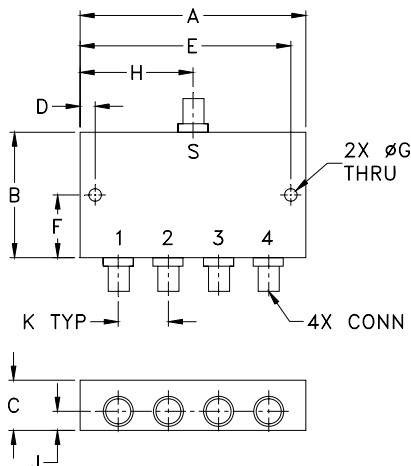
Maximum Ratings

Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
Power Input (as a splitter)	10W max.
Internal Dissipation	0.750W max.
Permanent damage may occur if any of these limits are exceeded.	

Coaxial Connections

SUM PORT	S
PORT 1	1
PORT 2	2
PORT 3	3
PORT 4	4

Outline Drawing



Outline Dimensions (inch)

A	B	C	D	E	F
3.50	2.13	.88	.150	3.350	1.06
88.90	54.10	22.35	3.81	85.09	26.92
G	H	J	K		wt
.125	1.75	.44	.89		grams
3.18	44.45	11.18	22.61		260

Features

- wideband, 875 to 1750MHz
- high isolation, 30 dB typ.
- rugged, shielded case
- up to 10W power input as splitters

Applications

- cellular
- GPS



CASE STYLE: UU188

Connectors	Model	Price	Qty.
BNC	ZB4PD-1750-75+	\$99.95	(1-9)

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

The +Suffix has been added in order to identify RoHS
Compliance. See our web site for RoHS Compliance
methodologies and qualifications.

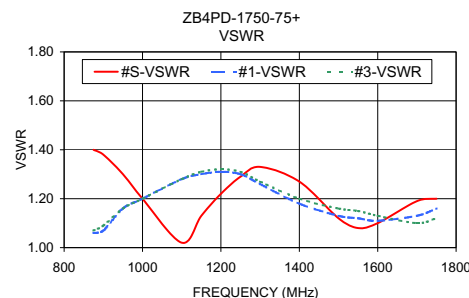
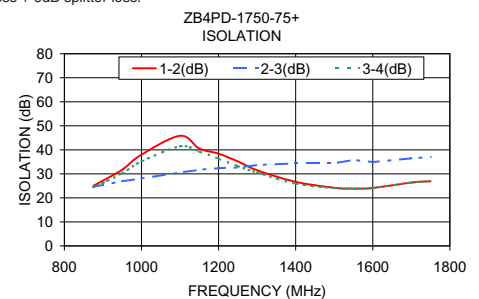
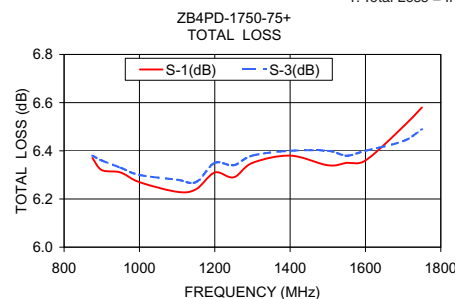
Electrical Specifications

FREQ. RANGE (MHz)	ISOLATION (dB)		INSERTION LOSS (dB) ABOVE 6.0 dB		PHASE UNBALANCE (Degrees)	AMPLITUDE UNBALANCE (dB)	VSWR (:1)			
$f_L - f_U$	Typ.	Min.	Typ.	Max.	Max.	Max.	S		OUT	
							Typ.	Max.	Typ.	Max.
875-1750	30	20	0.4	0.8	3	0.4	1.08	1.50	1.25	1.50

Typical Performance Data

Freq. (MHz)	Total Loss ¹ (dB)				Amp. Unbal. (dB)	Isolation (dB)			Phase Unbal. (deg.)	VSWR S	VSWR 1	VSWR 2	VSWR 3	VSWR 4
	S-1	S-2	S-3	S-4		1-2	2-3	3-4						
875.00	6.37	6.36	6.38	6.34	0.04	24.97	24.71	24.41	1.48	1.40	1.06	1.05	1.07	1.06
900.00	6.32	6.33	6.36	6.32	0.04	27.17	25.37	26.22	1.63	1.38	1.07	1.07	1.09	1.08
950.00	6.31	6.34	6.33	6.31	0.03	31.72	26.93	30.20	1.35	1.30	1.16	1.15	1.16	1.15
1000.00	6.27	6.26	6.30	6.25	0.05	38.00	28.07	35.19	1.54	1.20	1.20	1.19	1.20	1.19
1100.00	6.23	6.24	6.28	6.23	0.05	45.83	30.58	41.43	1.62	1.02	1.28	1.28	1.28	1.27
1150.00	6.24	6.25	6.27	6.21	0.06	40.51	31.69	39.27	1.69	1.13	1.30	1.31	1.31	1.30
1200.00	6.31	6.32	6.35	6.28	0.07	38.40	32.38	36.29	1.91	1.22	1.31	1.32	1.32	1.31
1250.00	6.29	6.32	6.34	6.28	0.06	35.18	32.62	33.18	2.01	1.29	1.30	1.31	1.31	1.30
1300.00	6.35	6.38	6.38	6.36	0.03	31.50	33.70	30.58	2.03	1.33	1.26	1.27	1.27	1.26
1400.00	6.38	6.37	6.40	6.35	0.05	26.67	34.37	25.92	1.97	1.27	1.18	1.18	1.20	1.18
1500.00	6.34	6.35	6.40	6.36	0.05	24.22	34.36	24.08	2.23	1.12	1.13	1.13	1.16	1.15
1550.00	6.35	6.31	6.38	6.37	0.07	23.89	35.81	23.86	2.34	1.08	1.12	1.13	1.15	1.13
1600.00	6.36	6.31	6.40	6.36	0.09	24.11	34.86	24.14	2.45	1.10	1.11	1.11	1.13	1.12
1700.00	6.50	6.41	6.44	6.48	0.09	26.37	36.47	26.39	2.79	1.19	1.13	1.12	1.10	1.10
1750.00	6.58	6.45	6.49	6.56	0.13	26.93	36.98	26.99	2.66	1.20	1.16	1.14	1.12	1.13

1. Total Loss = Insertion Loss + 6dB splitter loss.



electrical schematic



For detailed performance specs
& shopping online see web site

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ISO 9001 ISO 14001 AS 9100 CERTIFIED

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IF/RF MICROWAVE COMPONENTS

Notes: 1. Performance and quality attributes and conditions not expressly stated in this specification sheet are intended to be excluded and do not form a part of this specification sheet. 2. Electrical specifications and performance data contained herein are based on Mini-Circuit's applicable established test performance criteria and measurement instructions. 3. The parts covered by this specification sheet are subject to Mini-Circuits standard limited warranty and terms and conditions (collectively, "Standard Terms"); Purchasers of this part are entitled to the rights and benefits contained therein. For a full statement of the Standard Terms and the exclusive rights and remedies thereunder, please visit Mini-Circuits' website at www.minicircuits.com/BAC/StandardTerms.htm.

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