

Coaxial

Power Splitter/Combiner

ZB4PD-1750-75+

4 Way-0° 75Ω 875 to 1750 MHz

Maximum Ratings

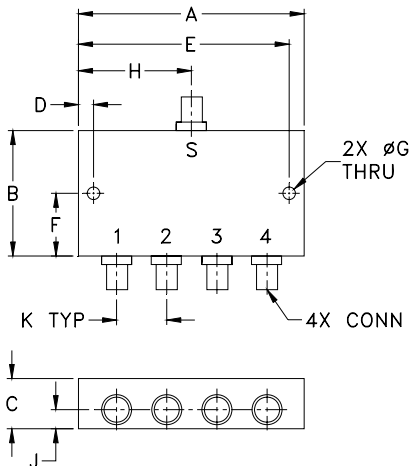
Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
Power Input (as a splitter)	10W max.
Internal Dissipation	0.750W max.

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/mm)

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)

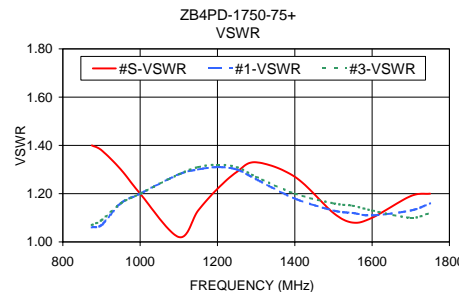
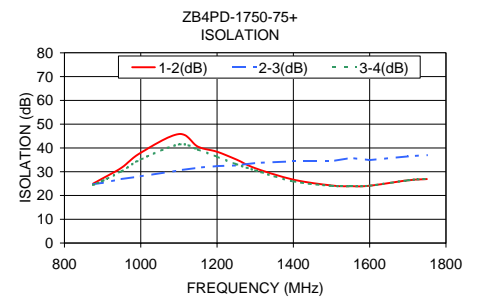
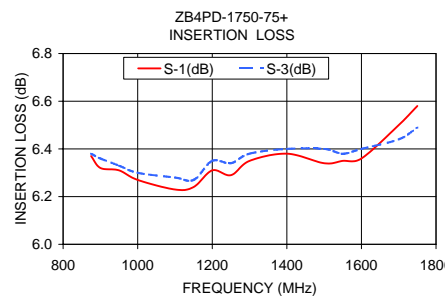
The +Suffix has been added in order to identify RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications.

Electrical Specifications

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

Typical Performance Data

Freq. (MHz)	Insertion Loss (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



electrical schematic



For detailed performance specs & shopping online see web site

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