

Coaxial

Power Splitter/Combiner

4 Way-0° 75Ω 875 to 1750 MHz

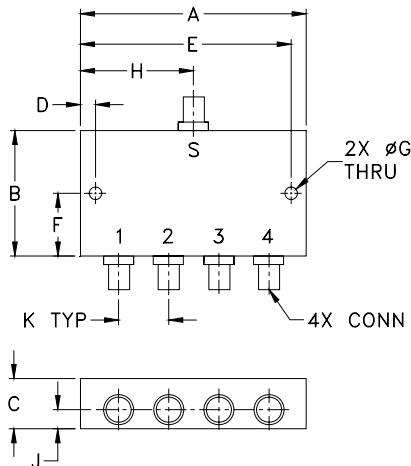
Maximum Ratings

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.

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)

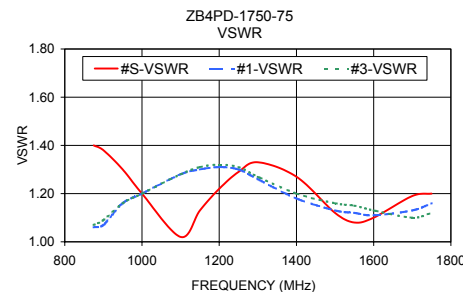
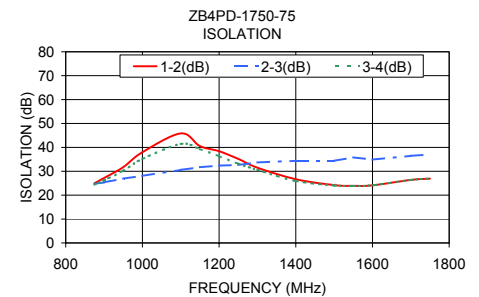
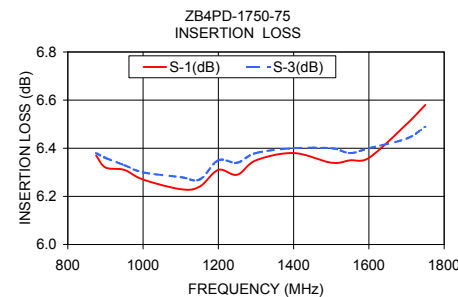
The +Suffix identifies RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications.

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 Typ. Max. OUT 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)	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



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