

Coaxial

Power Splitter/Combiner

ZB4PD-6.4A+

4 Way-0° 50Ω 5400 to 6800 MHz

Maximum Ratings

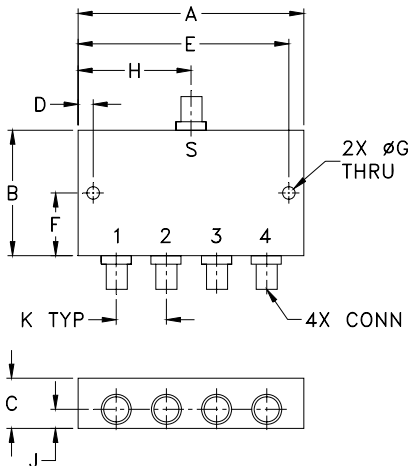
Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
Power Input (as a splitter)	10W max.
Internal Dissipation	0.375W max.

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, 5400 to 6800 MHz
- good isolation, 25 dB typ.
- rugged, shielded case

Applications

- satellite communications
- receivers/transmitters



CASE STYLE: UU188

Connectors	Model	Price	Qty.
N-Type	ZB4PD-6.4A-N+	\$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.

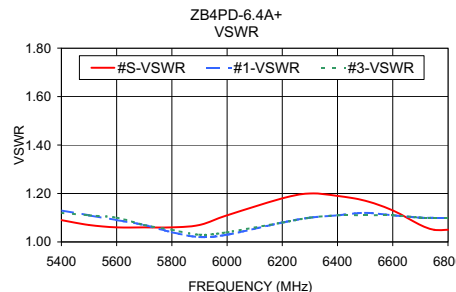
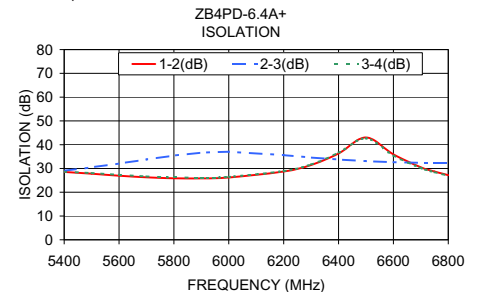
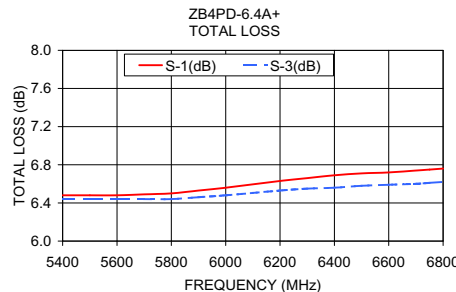
Electrical Specifications

Parameter	Frequency (MHz)	Min.	Typ.	Max.	Unit
Frequency Range		5400	—	6800	MHz
Insertion Loss Above 6.0 dB	5400-6800	—	0.6	1.2	dB
Isolation	5400-6800	18	25	—	dB
Phase Unbalance	5400-6800	—	—	9.0	Degree
Amplitude Unbalance	5400-6800	—	—	0.9	dB
VSWR Input	5400-6800	—	1.30	1.50	:1
VSWR Output	5400-6800	—	1.30	1.50	:1

Typical Performance Data

Freq. (MHz)	Total Loss ¹ (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					
5400.00	6.48	6.46	6.44	6.42	0.07	28.53	29.05	28.62	1.09	1.13	1.16	1.12	1.12
5500.00	6.48	6.45	6.44	6.42	0.06	27.79	30.48	28.08	1.07	1.11	1.14	1.11	1.12
5600.00	6.48	6.44	6.44	6.42	0.06	26.95	32.07	27.32	1.06	1.09	1.12	1.10	1.10
5700.00	6.49	6.45	6.44	6.44	0.05	26.28	33.78	26.66	1.06	1.07	1.08	1.07	1.09
5800.00	6.50	6.45	6.44	6.44	0.06	25.87	35.42	26.19	1.06	1.04	1.05	1.05	1.07
5900.00	6.53	6.46	6.46	6.46	0.08	25.84	36.67	26.13	1.07	1.02	1.01	1.03	1.05
6000.00	6.56	6.48	6.48	6.49	0.08	26.21	37.04	26.44	1.11	1.03	1.03	1.04	1.04
6200.00	6.63	6.53	6.53	6.54	0.11	28.71	35.60	28.91	1.18	1.08	1.10	1.08	1.06
6300.00	6.66	6.55	6.55	6.57	0.12	31.45	34.61	31.66	1.20	1.10	1.13	1.10	1.08
6400.00	6.69	6.57	6.56	6.60	0.13	36.30	33.76	36.63	1.19	1.11	1.14	1.11	1.08
6500.00	6.71	6.58	6.58	6.62	0.13	43.03	33.09	42.66	1.17	1.12	1.15	1.11	1.08
6600.00	6.72	6.59	6.59	6.64	0.14	35.93	32.62	35.45	1.13	1.11	1.14	1.11	1.07
6700.00	6.74	6.60	6.60	6.66	0.14	30.49	32.36	30.19	1.07	1.10	1.13	1.10	1.07
6750.00	6.75	6.60	6.61	6.67	0.14	28.71	32.31	28.45	1.05	1.10	1.13	1.10	1.08
6800.00	6.76	6.62	6.62	6.68	0.14	27.19	32.31	26.97	1.05	1.10	1.13	1.10	1.09

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



electrical schematic



For detailed performance specs & shopping online see web site

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