

Coaxial Power Splitter/Combiner

4 Way-0° 50Ω 850 to 930 MHz

ZB4PD1-930+ ZB4PD1-930



Maximum Ratings

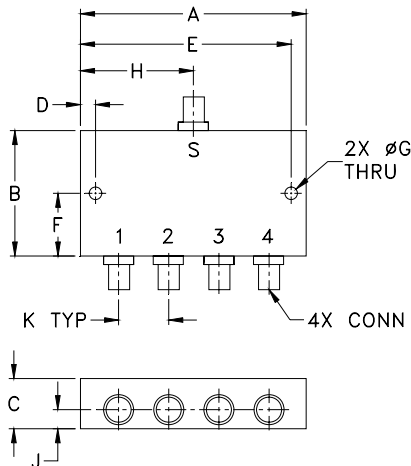
Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
Power Input (as a splitter)	10W max.
Internal Dissipation	0.375W max.

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

- high isolation, 30 dB typ.
- rugged shielded case
- very good VSWR, 1.10:1 typ.
- up to 10W power input as a splitter

Applications

- cellular
- communication systems
- receivers/transmitters

SMA version shown
CASE STYLE: UU188

Connectors	Model	Price	Qty.
SMA	ZB4PD1-930-S(+)	\$99.95	(1-9)
N-TYPE	ZB4PD1-930-N(+)	\$99.95	(1-9)

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

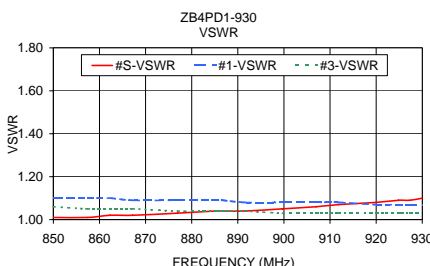
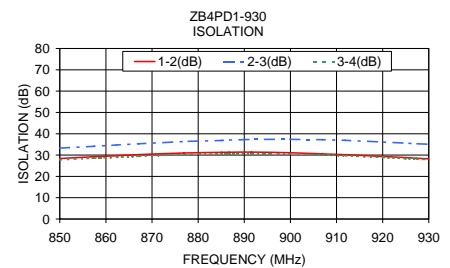
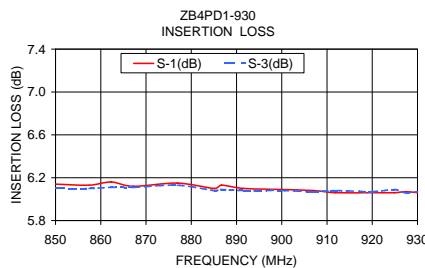
The +Suffix identifies RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications.

Electrical Specifications

FREQ. RANGE (MHz)	ISOLATION (dB)		INSERTION LOSS (dB) ABOVE 6.0 dB		PHASE UNBALANCE (Degrees)	AMPLITUDE UNBALANCE (dB)	VSWR (:1)						
	Typ.	Min.	Typ.	Max.			S Typ.	S Max.	OUT Typ.	OUT Max.			
f _L -f _U					Max.	Max.							
850-930	30	20	0.3	0.5	5	0.25	1.10	1.25	1.09	1.25			

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					
850.00	6.14	6.11	6.10	6.13	0.04	28.39	33.26	27.78	1.01	1.10	1.06	1.06	1.10
857.44	6.13	6.09	6.10	6.09	0.04	29.23	34.16	28.57	1.01	1.10	1.06	1.05	1.10
862.31	6.16	6.12	6.11	6.12	0.05	29.70	34.73	28.96	1.02	1.10	1.06	1.05	1.10
867.19	6.12	6.10	6.11	6.09	0.04	30.23	35.31	29.44	1.02	1.09	1.06	1.05	1.09
876.94	6.15	6.12	6.13	6.11	0.03	30.97	36.38	30.21	1.03	1.09	1.05	1.04	1.09
885.06	6.10	6.09	6.08	6.08	0.03	31.29	36.88	30.57	1.04	1.09	1.05	1.04	1.09
886.69	6.13	6.10	6.09	6.09	0.04	31.31	37.08	30.60	1.04	1.09	1.05	1.04	1.09
891.56	6.10	6.09	6.08	6.07	0.03	31.38	37.36	30.70	1.04	1.08	1.04	1.04	1.08
899.69	6.09	6.08	6.08	6.06	0.03	31.11	37.41	30.49	1.05	1.08	1.04	1.03	1.08
907.00	6.08	6.08	6.07	6.05	0.03	30.52	37.21	30.02	1.06	1.08	1.04	1.03	1.08
911.88	6.06	6.06	6.08	6.06	0.02	30.19	36.93	29.68	1.07	1.08	1.03	1.03	1.08
920.00	6.06	6.07	6.07	6.04	0.03	29.34	36.13	28.90	1.08	1.07	1.03	1.03	1.07
924.88	6.06	6.07	6.09	6.04	0.05	28.82	35.64	28.37	1.09	1.07	1.03	1.03	1.07
927.31	6.07	6.05	6.06	6.03	0.04	28.52	35.30	28.12	1.09	1.07	1.03	1.03	1.07
930.00	6.06	6.07	6.07	6.03	0.05	28.22	35.11	27.88	1.10	1.07	1.03	1.03	1.07



electrical schematic



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