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Find the *Mini-Circuits ZB4PD1-930W-S* at our website: *Click HERE*

NON-CATALOG

DC Pass

Power Splitter/Combiner

ZB4PD1-930W

4 Way-0° 50Ω 725 to 1050 MHz



SMA version shown
CASE STYLE: UU188

Connectors	Model
SMA	ZB4PD1-930W-S
N-TYPE	ZB4PD1-930W-N

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

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.
DC Current	2 A (500mA for each port)

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

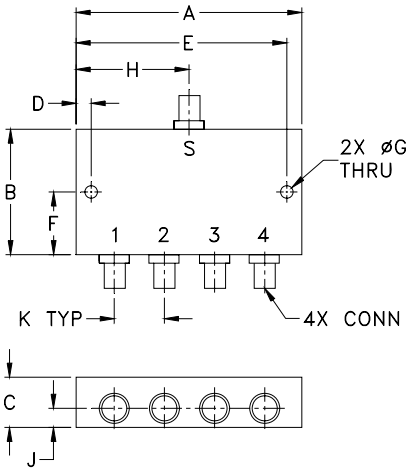
Features

- excellent output VSWR, 1.1:1 typ
- up to 10W power input as splitter

Applications

- cellular
- GSM
- receivers/transmitters

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

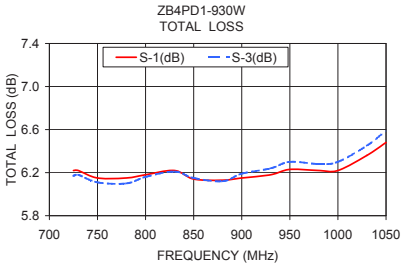
Electrical Specifications

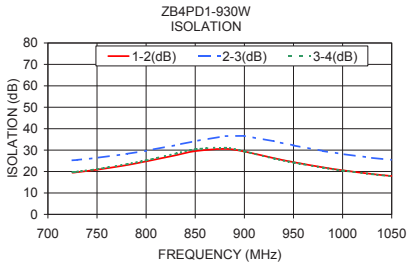
FREQ. RANGE (MHz)	ISOLATION (dB)		INSERTION LOSS (dB) ABOVE 6.0 dB		PHASE UNBALANCE (Degrees)	AMPLITUDE UNBALANCE (dB)	VSWR (:1)			
							S		OUT	
f_L-f_U	Typ.	Min.	Typ.	Max.	Max.	Max.	Typ.	Max.	Typ.	Max.
725-1050	22	15	0.3	0.8	5	0.4	1.2	1.8	1.1	1.3

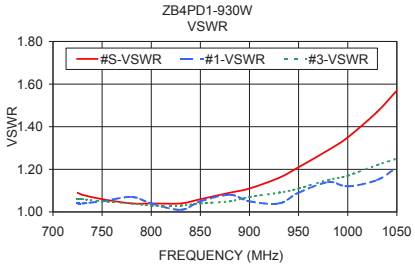
Typical Performance Data

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						
725.00	6.22	6.20	6.17	6.23	0.06	19.42	25.21	19.66	1.98	1.09	1.04	1.06	1.06	1.06
730.00	6.22	6.20	6.18	6.23	0.04	19.71	25.43	19.95	2.07	1.08	1.04	1.05	1.06	1.06
750.00	6.15	6.14	6.11	6.16	0.05	20.86	26.37	21.13	2.25	1.06	1.05	1.05	1.05	1.07
780.00	6.15	6.13	6.10	6.17	0.07	23.00	28.19	23.41	2.29	1.04	1.07	1.04	1.04	1.08
800.00	6.18	6.18	6.16	6.18	0.02	24.76	29.70	25.23	2.24	1.04	1.04	1.03	1.03	1.06
830.00	6.22	6.24	6.21	6.22	0.03	27.60	32.33	28.33	2.34	1.04	1.01	1.02	1.03	1.03
850.00	6.14	6.18	6.15	6.15	0.04	29.51	34.18	30.37	2.58	1.06	1.05	1.04	1.04	1.06
880.00	6.13	6.16	6.12	6.15	0.03	30.58	36.54	31.10	2.55	1.09	1.08	1.05	1.05	1.09
900.00	6.15	6.20	6.19	6.16	0.05	29.31	36.64	29.38	2.43	1.11	1.05	1.06	1.07	1.06
930.00	6.18	6.25	6.24	6.19	0.07	26.24	34.12	26.10	2.69	1.16	1.04	1.09	1.09	1.06
950.00	6.23	6.32	6.30	6.25	0.08	24.36	32.20	24.20	2.75	1.21	1.09	1.12	1.11	1.10
980.00	6.22	6.30	6.28	6.23	0.08	21.93	29.59	21.79	2.75	1.29	1.14	1.15	1.15	1.14
1000.00	6.22	6.34	6.30	6.23	0.12	20.59	28.17	20.46	2.87	1.35	1.12	1.17	1.17	1.12
1030.00	6.36	6.47	6.45	6.36	0.11	18.83	26.37	18.75	2.94	1.47	1.15	1.21	1.22	1.16
1050.00	6.48	6.62	6.59	6.45	0.17	17.90	25.42	17.80	2.78	1.57	1.21	1.25	1.25	1.20

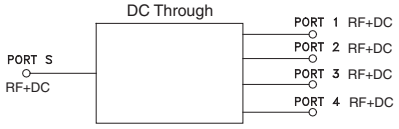
1. Total Loss = Insertion Loss + 6dB splitter loss.







electrical schematic



Notes
A. Performance and quality attributes and conditions not expressly stated in this specification document are intended to be excluded and do not form a part of this specification document.
B. Electrical specifications and performance data contained in this specification document are based on Mini-Circuit's applicable established test performance criteria and measurement instructions.
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