

Coaxial

Power Splitter/Combiner

ZC9PD-1000

9 Way-0° 50Ω 800 to 1000 MHz

Maximum Ratings

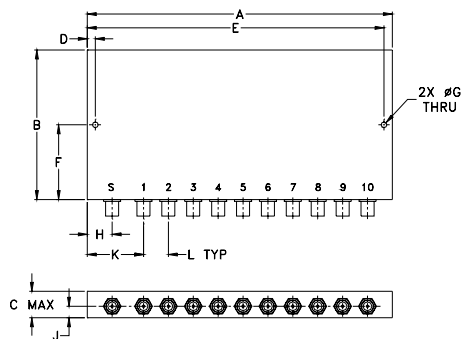
Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
Power Input (as a splitter)	10W max.
Internal Dissipation	1.5W max.

Permanent damage may occur if any of these limits are exceeded.

Coaxial Connections

SUM PORT	S(COM)
PORT 1,2,3,.....,9	1,2,3,.....,9

Outline Drawing



Outline Dimensions (inch mm)

A	B	C	D	E	F
6.13	3.00	.53	.162	5.962	1.500
155.70	76.20	13.46	4.11	151.43	38.10
G	H	J	K	L	wt
.116	.50	.25	1.13	.50	grams
2.95	12.70	6.35	28.70	12.70	207

Features

- low insertion loss, 0.6 dB typ.
- high isolation, 30 dB typ.
- excellent output VSWR, 1.1:1 typ.
- rugged shielded case

Applications

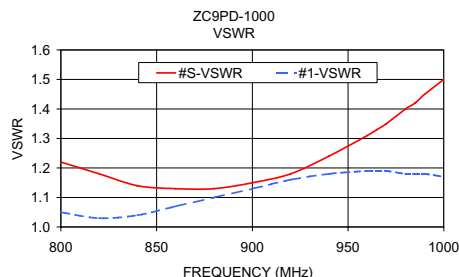
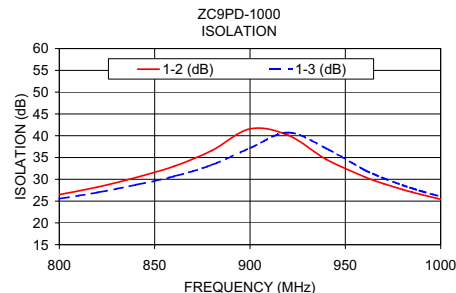
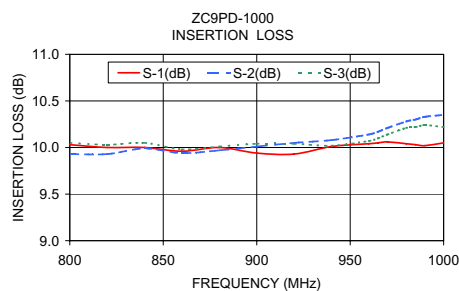
- cellular
- UHF
- instrumentation
- signal processing

Electrical Specifications

FREQ. RANGE (MHz)	ISOLATION (dB)	INSERTION LOSS (dB) ABOVE 9.6 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.
800-1000	30 20	0.6 1.2	—	0.6	1.22 1.6 1.11 1.3

Typical Performance Data

Freq. (MHz)	Insertion Loss (dB)			Amplitude Unbalance (dB)	Isolation (dB)		Phase unbalance (deg.)	VSWR S	VSWR 1	VSWR 3
	S-1	S-2	S-3		1-2	1-3				
800.00	10.03	9.93	10.05	0.13	26.50	25.55	13.66	1.22	1.05	1.06
820.00	10.00	9.93	10.03	0.12	28.21	27.00	13.90	1.18	1.03	1.06
840.00	10.00	9.99	10.05	0.10	30.39	28.73	14.29	1.14	1.04	1.06
860.00	9.96	9.94	9.98	0.09	32.96	30.67	14.78	1.13	1.07	1.06
880.00	10.00	9.97	10.01	0.10	36.61	33.31	15.23	1.13	1.10	1.06
900.00	9.94	10.01	10.04	0.18	41.57	37.17	15.43	1.15	1.13	1.06
920.00	9.93	10.05	10.04	0.22	40.12	40.73	15.59	1.18	1.16	1.06
940.00	10.01	10.08	10.02	0.22	34.57	37.08	16.14	1.24	1.18	1.07
960.00	10.04	10.14	10.07	0.26	30.58	32.17	16.57	1.31	1.19	1.07
965.00	10.05	10.17	10.10	0.26	29.75	31.19	16.67	1.33	1.19	1.07
970.00	10.06	10.21	10.14	0.28	29.00	30.26	16.74	1.35	1.19	1.07
980.00	10.04	10.28	10.21	0.38	27.66	28.66	16.78	1.40	1.18	1.07
985.00	10.03	10.30	10.22	0.41	27.05	27.95	16.71	1.42	1.18	1.07
990.00	10.02	10.33	10.24	0.44	26.49	27.28	16.71	1.45	1.18	1.07
1000.00	10.05	10.35	10.22	0.43	25.42	26.06	16.79	1.50	1.17	1.07



electrical schematic



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