

Coaxial

Power Splitter/Combiner

9 Way-0° 50Ω

800 to 1000 MHz

ZC9PD-1000

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.

Coaxial Connections

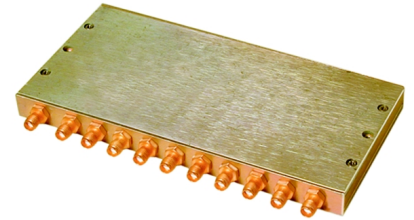
SUM PORT	S(COM)
PORT 1,2,3,4,5,6,7,8,9	1,2,3,4,5,6,7,8,9

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



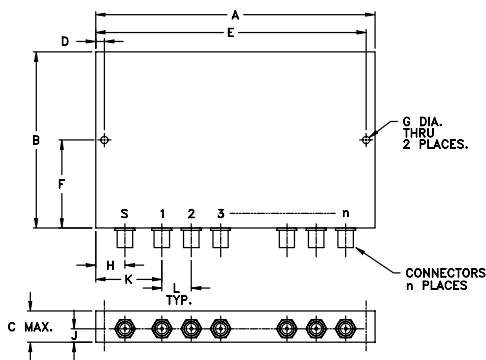
CASE STYLE: AB204

Connectors	Model	Price	Qty.
SMA	ZC9PD-1000-S	\$169.95	(1-9)

Splitter 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		OUT	
					Typ.	Max.	Typ.	Max.
800-1000	30 20	0.6 1.2	—	0.6	1.22 1.6	1.11 1.3		

Outline Drawing

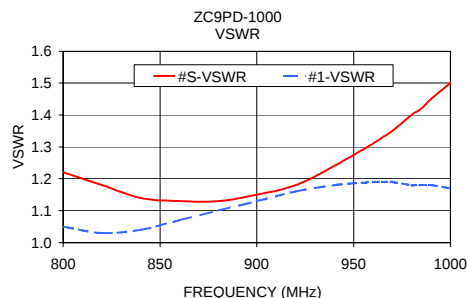
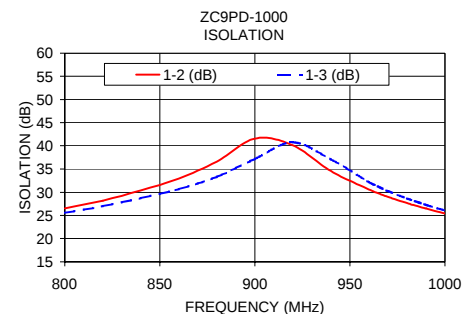
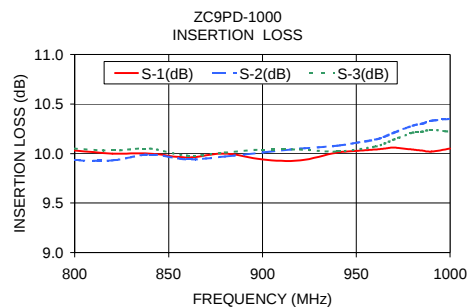


Outline Dimensions (inch/mm)

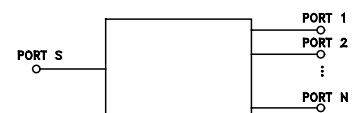
A	B	C	D	E	F
6.13	3.00	.53	.162	5.962	1.500
155.70	76.20	13.46	4.11	151.43	38.10
G	H	J	K	L	wt
.116	.50	.25	1.13	.500	grams
2.95	12.70	6.35	28.70	12.70	215

Typical Performance Data

Freq. (MHz)	Insertion Loss (dB)			Amp. Unbal. (dB)	Isolation (dB)		Phase Unbal. (deg.)	VSWR		
	S-1	S-2	S-3		1-2	1-3		S	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	10.12	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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