Coaxial

Power Splitter/Combiner

ZC9PD-1000

9 Way-0° 50Ω 800 to 1000 MHz

CASE STYLE: AB204

Connectors	Model	Price	Qty.
SMA	ZC9PD-1000-S	Contact Sales Dept.	

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

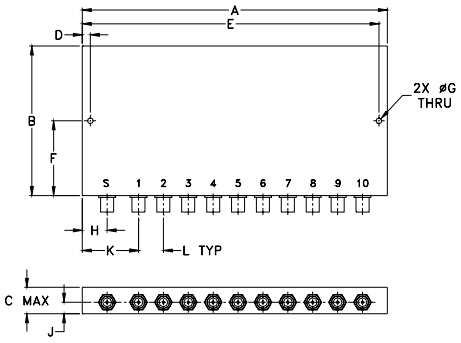
Features

- 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

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

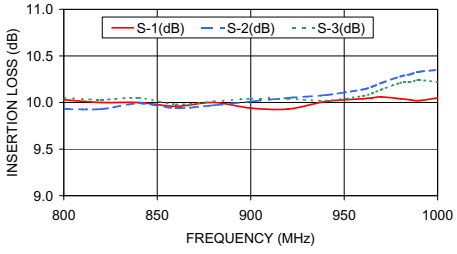
Electrical Specifications

FREQ. RANGE (MHz)	ISOLATION (dB)		INSERTION LOSS (dB) ABOVE 9.6 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.
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

ZC9PD-1000
INSERTION LOSS



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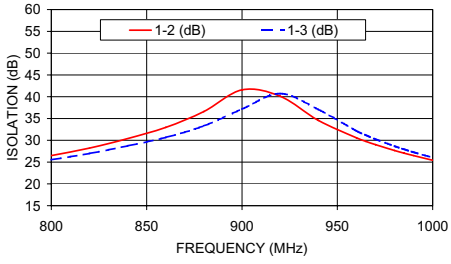
ISOLATION



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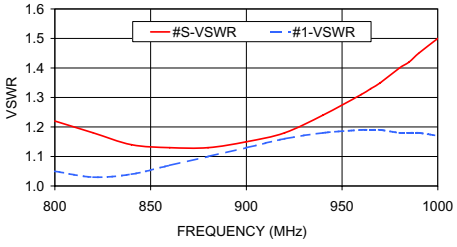
VSWR



electrical schematic

For detailed performance specs & shopping online see web site

REV. OR
M95083
ZC9PD-1000
090818