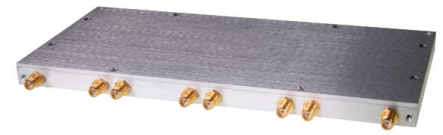


Coaxial

Power Splitter/Combiner

ZC8PD1-10+

8 Way-0° 50Ω 300 to 1000 MHz



CASE STYLE: DE749

Connectors	Model	Price	Qty.
SMA	ZC8PD1-10-S+	\$169.95	(1-9)

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

The +Suffix has been added in order to identify 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	2W max.

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

Coaxial Connections

SUM PORT	S
PORT 1,2,3,4,5,6,7,8	1,2,3,4,5,6,7,8

Features

- wideband, 300 to 1000 MHz
- high isolation, 27 dB typ.
- good input VSWR, 1.2 typ.
- good output VSWR, 1.1 typ.
- rugged shielded case
- up to 10W power input as splitter

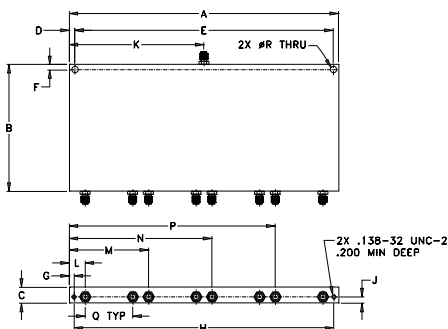
Applications

- cellular
- VHF/UHF
- instrumentation
- signal processing

Electrical Specifications

FREQ. RANGE (MHz)	ISOLATION (dB)		INSERTION LOSS (dB) ABOVE 9.0 dB		PHASE UNBALANCE (Degrees)	AMPLITUDE UNBALANCE (dB)
	Typ.	Min.	Typ.	Max.	Max.	Max.
$f_c - f_u$						
300-1000	27	17	0.6	1.4	8.0	0.7

Outline Drawing

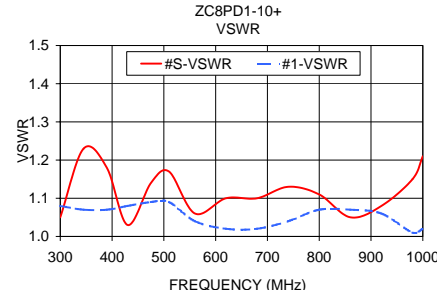
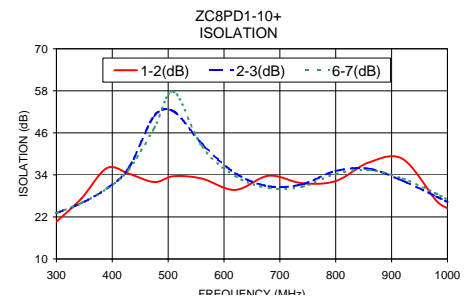
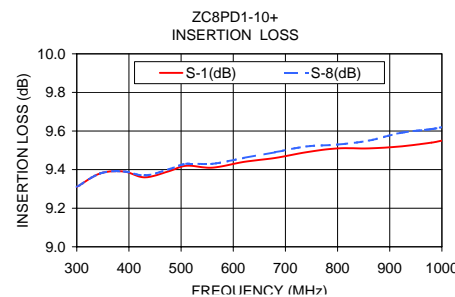


Outline Dimensions (inch/mm)

A	B	C	D	E	F	G	H		
8.50	4.00	.50	.170	8.160	.170	.150	8.200		
215.90	101.60	12.70	4.32	208.26	4.32	3.81	208.28		
J	K	L	M	N	P	Q	R	wt	
.190	4.25	.50	2.50	4.50	6.50	1.50	.201	grams	
4.83	107.95	12.70	63.50	114.30	165.10	38.10	5.11	400	

Typical Performance Data

Freq. (MHz)	Insertion Loss (dB)						Amplitude Unbalance (dB)	Isolation (dB)				VSWR S	VSWR 1	VSWR 8
	S-1	S-2	S-3	S-4	S-6	S-8		1-2	2-3	3-4	6-7			
300.00	9.31	9.30	9.36	9.37	9.34	9.31	0.07	20.61	23.10	20.42	23.07	1.05	1.08	1.08
345.00	9.38	9.37	9.43	9.43	9.42	9.38	0.06	27.30	25.96	27.07	25.96	1.23	1.07	1.06
390.00	9.39	9.38	9.44	9.44	9.44	9.39	0.07	35.91	30.09	34.51	30.00	1.18	1.07	1.06
430.00	9.36	9.36	9.43	9.43	9.43	9.37	0.07	34.32	36.09	32.74	35.61	1.03	1.08	1.07
475.00	9.39	9.39	9.47	9.47	9.47	9.40	0.08	31.94	50.81	31.34	47.36	1.14	1.09	1.08
510.00	9.42	9.42	9.51	9.51	9.51	9.43	0.09	33.62	52.15	33.67	57.74	1.17	1.09	1.07
560.00	9.41	9.41	9.51	9.51	9.51	9.43	0.10	32.96	42.98	33.57	42.21	1.06	1.04	1.03
620.00	9.44	9.44	9.55	9.54	9.56	9.46	0.12	29.71	34.51	29.42	33.67	1.10	1.02	1.04
680.00	9.46	9.47	9.60	9.58	9.60	9.49	0.14	33.76	30.75	32.26	30.23	1.10	1.02	1.04
740.00	9.49	9.50	9.64	9.62	9.65	9.52	0.16	31.62	31.30	31.95	30.62	1.13	1.04	1.05
800.00	9.51	9.52	9.68	9.65	9.68	9.53	0.17	32.25	35.12	34.26	34.25	1.11	1.07	1.08
860.00	9.51	9.54	9.71	9.68	9.73	9.55	0.22	37.61	35.72	39.24	35.38	1.05	1.07	1.07
920.00	9.52	9.55	9.76	9.73	9.78	9.59	0.26	38.54	32.31	47.66	32.97	1.08	1.06	1.06
980.00	9.54	9.57	9.81	9.77	9.84	9.61	0.29	26.62	27.83	28.07	28.63	1.15	1.01	1.02
1000.00	9.55	9.58	9.83	9.79	9.87	9.62	0.31	24.44	26.28	25.25	26.95	1.21	1.02	1.03



electrical schematic



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