

Coaxial

Power Splitter/Combiner

8 Way-0°, 50Ω 300 to 1000 MHz



ZC8PD1-10



CASE STYLE: DE749
CONNECTOR: SMA FEMALE
PRICE: \$169.95 ea.
QTY.: (1-9)

Maximum Ratings

Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
Power Input (as a splitter)	10W
Internal Dissipation	2W

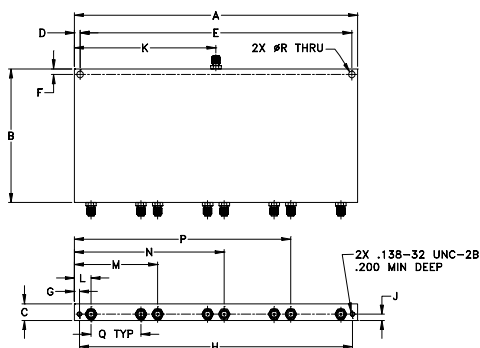
Features

- wideband, 300-1000 MHz
- high isolation, 27 dB typ.
- good input VSWR, 1.2 typ.
- good output VSWR, 1.1 typ.

Applications

- cellular

Outline Drawing



Outline Dimensions (inch)

A	B	C	D	E	F	G	H	
8.50	4.00	.50	.170	8.160	1.70	.150	8.200	
215.90	101.60	12.70	4.32	207.26	43.18	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	400.0

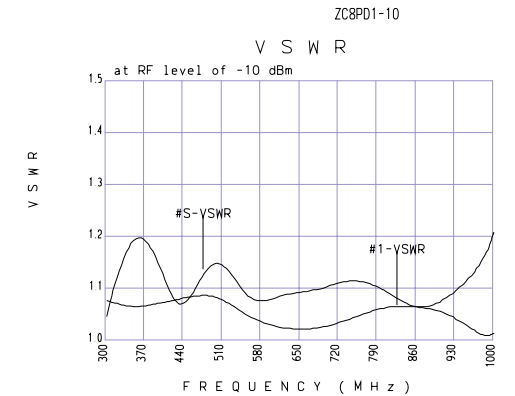
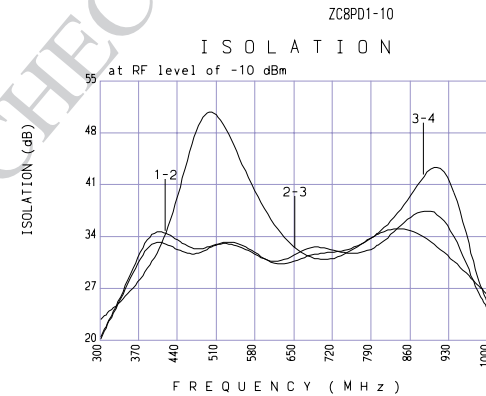
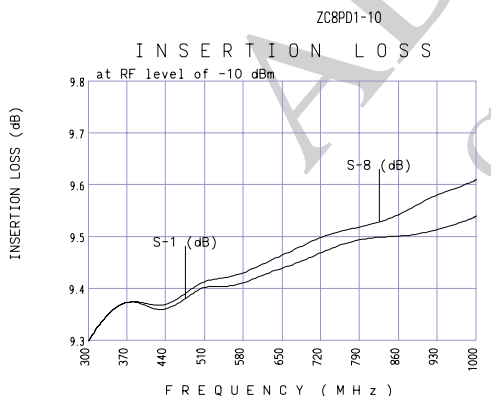
Electrical Specifications

FREQ. RANGE (MHz)	ISOLATION (dB)			INSERTION LOSS (dB) ABOVE 9.0 dB			PHASE UNBALANCE (Degrees)			AMPLITUDE UNBALANCE (dB)												
	L	M	U	L	M	U	L	M	U	L	M	U										
f_L - f_U	Typ. Min.	Typ. Min.	Typ. Min.	Typ. Max.	Typ. Max.	Typ. Max.	Max.	Max.	Max.	Max.	Max.	Max.										
300-1000	—	—	27	17	—	—	—	—	0.6	1.4	—	—	—	—	8.0	—	—	—	—	—	—	—

When only specification for M range given, specification applies to entire frequency range.

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	5-7			
300	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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



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