

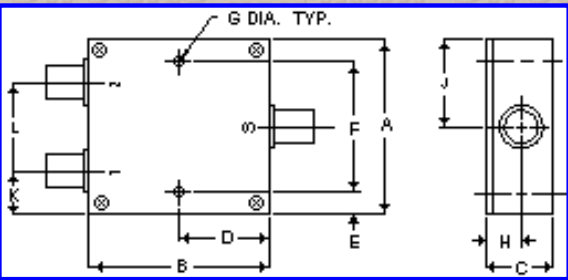
# Directional Coupler

## ZADC-ED9902A/1



Frequency MHz	Coupling dB		Mainline Loss dB			Directivity dB			VSWR (:1)	Power INPUT, W		
	$f_L - f_U$	Nom.	Flatness	L Typ. Max.	M Typ. Max.	U Typ. Max.	L Typ. Min.	M Typ. Min.		U Typ. Min.	Typ.	L Max.
700-1200	40.0±1.00	±0.7			0.10			23		1.15		

L=low range( $f_L$  to  $10f_L$ ) M=mid range( $10f_L$  to  $f_U/2$ ) U=upper range( $f_U/2$  to  $f_U$ )



Notes:

- General Quality Control Procedures and Environmental Specifications are given in [Mini-Circuits Guarantees Quality](#). Hi-Rel, MIL description are given in [Hi-Rel and MIL](#)
- Prices and Specifications subjects to change without notice.

**Case Style - F14 (inch,mm)** weight: 170 grams.

A	B	C	D	E	F	G	H	J
2.00	2.00	.75	1.00	.25	1.500	.125	.39	1.00
50.800	50.800	19.050	25.400	6.350	38.100	3.175	9.906	25.400
K	L	M	N	P	Q	R	S	T
.50	1.00							
12.700	25.400							

Tolerance: .x ± .1 .xx ± .03 .xxx ± .015 inch.  
 Material and Finish:  
 Case material: aluminum alloy. Finish: grey paint or yellow iridite.  
 Marking:  
 For port markings 1, 2, and 3 see specification data sheet.  
 Connectors:  
 Connectors: please specify, unless otherwise noted; BNC is standard, TNC, SMA and Type N, consult factory. (ZAPD -4 units not available with BNC).

FREQ (MHz)	I. Loss (dB) In-Out	Coupling (dB) In-CPL	Directivity (dB)	Return Loss (dB)		
				In	Out	CPL
700.00	0.06	39.76	25.23	48.46	49.77	33.03
710.00	0.07	39.72	24.74	45.57	46.31	32.57
720.00	0.07	39.71	23.37	43.01	43.66	32.10
730.00	0.07	39.68	24.76	41.32	41.72	31.69
740.00	0.07	39.65	25.35	39.59	39.92	31.25
750.00	0.06	39.63	24.02	38.11	38.50	30.86
760.00	0.07	39.62	23.91	36.84	37.25	30.48
770.00	0.07	39.62	24.49	35.72	36.14	30.08
780.00	0.08	39.61	23.47	34.73	35.17	29.71
790.00	0.07	39.61	25.13	33.73	34.21	29.34
800.00	0.08	39.61	24.43	32.94	33.36	29.02
810.00	0.08	39.61	25.11	32.19	32.56	28.70
820.00	0.08	39.60	24.46	31.46	31.78	28.42
830.00	0.08	39.60	25.87	30.81	31.04	28.13
840.00	0.08	39.59	24.96	30.19	30.36	27.88
844.00	0.08	39.59	23.51	29.93	30.05	27.80
849.00	0.08	39.58	24.52	29.62	29.75	27.68
854.00	0.08	39.59	25.06	29.30	29.43	27.56
859.00	0.08	39.59	25.18	29.01	29.11	27.45
864.00	0.08	39.59	23.87	28.74	28.81	27.33
869.00	0.08	39.60	25.45	28.46	28.52	27.20
874.00	0.08	39.60	24.18	28.19	28.25	27.09
879.00	0.10	39.61	22.91	27.91	27.97	26.97
884.00	0.10	39.62	22.39	27.62	27.68	26.87
889.00	0.10	39.63	22.47	27.34	27.42	26.75
894.00	0.10	39.63	25.54	27.08	27.17	26.66
899.00	0.10	39.63	24.92	26.84	26.91	26.54
904.00	0.10	39.63	22.80	26.58	26.67	26.42
909.00	0.10	39.64	24.25	26.34	26.44	26.33

914.00	0.09	39.65	22.94	26.11	26.22	26.21
919.00	0.10	39.66	23.94	25.87	25.98	26.10
920.00	0.09	39.66	24.93	25.83	25.94	26.09
930.00	0.09	39.69	24.20	25.38	25.49	25.89
940.00	0.09	39.73	23.37	24.93	25.06	25.69
950.00	0.10	39.75	23.34	24.53	24.63	25.51
1000.00	0.12	39.80	25.04	22.65	22.67	24.83
1050.00	0.13	39.89	21.50	21.03	21.08	24.02
1100.00	0.15	39.98	20.93	19.55	19.61	23.38
1150.00	0.15	40.07	20.71	18.28	18.33	22.86
1200.00	0.18	40.16	22.35	17.13	17.17	22.24



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