

Directional Coupler

ZADC-ED9902A/2



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			33		1.20			

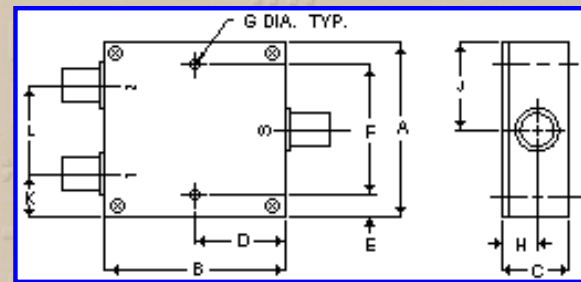
L=low range(f_L to $10f_L$) M=mid range($10f_L$ to $f_U/2$) U=upper range($f_U/2$ to f_U)

Pin Connections

Port	Input	Output	Coupled (forward)	Coupled (reverse)
jz	1	2	S	-
Not Used Case GND Termination			GND	
-	-	-	-	-

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	0.05	39.62	29.92	29.70	30.68	23.50
710.00	0.05	39.61	30.10	29.44	30.33	23.63
720.00	0.05	39.59	30.47	29.21	29.95	23.80
730.00	0.05	39.57	30.56	28.93	29.57	23.99
740.00	0.05	39.56	30.68	28.61	29.16	24.22
750.00	0.05	39.54	30.77	28.27	28.70	24.46
760.00	0.05	39.53	31.04	27.95	28.26	24.69
770.00	0.05	39.51	31.29	27.63	27.84	24.93
780.00	0.06	39.50	31.54	27.33	27.42	25.16
790.00	0.06	39.49	31.58	27.07	27.02	25.38
800.00	0.06	39.49	31.79	26.84	26.68	25.59
810.00	0.06	39.48	32.20	26.62	26.35	25.79
820.00	0.07	39.47	32.95	26.39	26.02	25.97
830.00	0.07	39.47	33.19	26.16	25.73	26.13
840.00	0.07	39.47	33.54	25.93	25.43	26.26
844.00	0.07	39.47	33.45	25.82	25.31	26.30
849.00	0.07	39.47	33.95	25.67	25.15	26.40
854.00	0.07	39.46	34.18	25.53	25.00	26.49
859.00	0.06	39.47	34.17	25.41	24.86	26.55
864.00	0.07	39.47	34.40	25.25	24.71	26.59
869.00	0.07	39.47	34.57	25.11	24.57	26.63
874.00	0.07	39.48	34.76	24.98	24.43	26.65
879.00	0.07	39.48	34.83	24.83	24.27	26.67
884.00	0.08	39.50	34.98	24.71	24.13	26.68
889.00	0.08	39.51	34.92	24.55	23.97	26.68
894.00	0.08	39.53	35.14	24.45	23.85	26.68
899.00	0.08	39.54	35.68	24.32	23.70	26.66
904.00	0.09	39.56	35.96	24.20	23.54	26.64
909.00	0.09	39.58	36.06	24.09	23.42	26.61

914.00	0.09	39.59	36.58	23.98	23.27	26.55
919.00	0.09	39.60	37.96	23.86	23.13	26.38
920.00	0.09	39.62	38.32	23.84	23.09	26.28
930.00	0.09	39.65	39.63	23.64	22.83	25.89
940.00	0.10	39.72	40.32	23.42	22.54	25.33
950.00	0.10	39.75	40.17	23.19	22.26	25.10
1000.00	0.11	39.86	39.71	22.05	21.11	24.34
1050.00	0.12	39.99	39.10	20.98	20.02	23.48
1100.00	0.13	40.11	38.67	19.96	18.93	22.64
1150.00	0.14	40.24	37.87	19.08	18.12	21.83
1200.00	0.14	40.36	36.30	18.00	17.12	21.12



Distribution Centers NORTH AMERICA 800-654-7949 • 417-335-5935 • Fax 417-335-5945 • EUROPE • 44-1252-832600 • Fax 44-1252-837010

INTERNET <http://www.minicircuits.com>

P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 Fax (718) 332-4661

ISO 9001 CERTIFIED

[Back](#)

i2 Technologies US, Inc.

HTML Pages converted to PDF Document

This document contains component information from the manufacturer's website which are not available in a revision controlled document from the manufacturer. To facilitate the addition of these parts into the Electronics Database, we are converting the HTML pages related to that part, from the manufacturer's website into Adobe PDF format. The contents of this document is based on the information provided on the manufacturer's website, therefore the information may have been changed by the manufacturer since this was created.

