

Directional Coupler

ZADC-ED10022/1

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.
200-3000	18.5±1.00	±1.0		0.50				23		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)

**SEE NOTES FOR CASE STYLE
INFORMATION**

Notes:

- Case style outline drawing: [99-01-587](#)
- 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 - X0 (inch,mm) weight: 0 grams.

A	B	C	D	E	F	G	H	J
K	L	M	N	P	Q	R	S	T

Tolerance: .x ± .1 .xx ± .03 .xxx ± .015 inch.

FREQ (MHz)	I. Loss (dB) In-Out	Coupling (dB) In-CPL	Directivity (dB)	Return Loss (dB)		
				In	Out	CPL
200.00	0.57	18.57	14.78	10.90	10.74	11.24
300.00	0.41	18.70	17.18	13.80	13.64	14.08
400.00	0.35	18.73	18.87	15.89	15.67	15.97
500.00	0.34	18.70	20.08	17.47	17.24	17.35
600.00	0.33	18.65	21.07	18.91	18.68	18.49
700.00	0.31	18.60	22.21	20.30	20.12	19.59
750.00	0.31	18.56	22.72	20.99	20.84	20.11
800.00	0.33	18.52	23.02	21.76	21.52	20.65
810.00	0.34	18.51	23.27	21.88	21.64	20.75
820.00	0.35	18.51	23.33	22.02	21.78	20.86
830.00	0.36	18.53	23.35	22.14	21.94	20.98
840.00	0.35	18.53	23.60	22.31	22.11	21.08
850.00	0.32	18.52	23.70	22.42	22.26	21.16
860.00	0.32	18.52	23.65	22.56	22.45	21.27
870.00	0.30	18.48	23.74	22.73	22.63	21.36
880.00	0.32	18.45	23.83	22.90	22.81	21.45
890.00	0.33	18.43	24.05	23.05	22.94	21.57
900.00	0.36	18.43	24.20	23.17	23.09	21.67
950.00	0.35	18.46	24.77	23.76	23.85	22.26
1000.00	0.36	18.35	25.20	24.56	24.69	22.74
1100.00	0.36	18.29	26.66	25.62	26.22	23.74
1200.00	0.37	18.26	27.96	25.99	26.71	24.38

1300.00	0.38	18.23	30.02	25.85	25.82	24.33
1400.00	0.40	18.19	31.26	25.12	24.46	23.39
1500.00	0.44	18.19	31.98	24.27	23.08	21.98
1600.00	0.53	18.19	31.76	23.43	21.86	20.27
1650.00	0.47	18.19	30.51	22.91	21.05	19.29
1700.00	0.55	18.21	29.48	23.01	20.85	18.58
1750.00	0.50	18.18	27.90	22.70	20.20	17.79
1800.00	0.56	18.27	26.65	22.72	19.98	17.03
1850.00	0.55	18.21	25.18	22.72	19.58	16.37
1900.00	0.57	18.33	23.80	22.73	19.35	15.69
1950.00	0.60	18.31	22.66	23.14	19.12	15.11
2000.00	0.62	18.33	21.60	23.14	18.96	14.48
2100.00	0.71	18.29	19.28	23.94	18.78	13.42
2200.00	0.77	18.35	17.40	25.35	18.75	12.49
2300.00	0.82	18.51	15.68	27.35	18.82	11.65
2500.00	0.82	18.79	12.59	32.84	18.94	10.25
2750.00	0.98	19.49	9.44	26.26	18.38	8.77
3000.00	1.09	19.92	7.13	19.55	16.07	7.69



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