

# Directional Coupler

## ZADC-ED10208/1

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.
400-2700	13.0±1.00			0.80			20		1.30			

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:

- For Surface Mount Environmental Specifications, please click [here](#). Re-flow soldering information is available in "[Surface Mount](#)" article.
- Non-catalog model. Please consult factory for price and delivery.
- 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
400.00	1.05	13.13	14.12	9.16	8.70	9.17
440.00	1.04	13.23	14.84	9.85	9.39	9.80
480.00	0.89	13.16	15.57	10.52	10.04	10.38
520.00	0.90	13.23	16.28	11.15	10.64	10.92
560.00	0.80	13.17	16.97	11.73	11.23	11.41
600.00	0.81	13.23	17.65	12.31	11.80	11.87
640.00	0.74	13.20	18.32	12.85	12.33	12.29
680.00	0.75	13.20	18.99	13.34	12.85	12.67
720.00	0.72	13.20	19.69	13.87	13.40	13.05
760.00	0.68	13.16	20.33	14.40	13.91	13.40
800.00	0.67	13.15	21.04	14.90	14.42	13.71
850.00	0.67	13.17	21.93	15.51	15.13	14.11
900.00	0.66	13.10	22.78	16.23	15.88	14.54
960.00	0.63	13.06	23.89	16.99	16.66	14.99
1020.00	0.71	13.10	25.13	18.16	17.72	15.56
1080.00	0.62	12.98	26.31	19.08	18.58	16.05
1140.00	0.69	13.05	27.71	20.33	19.67	16.65
1200.00	0.67	12.98	29.09	21.62	20.73	17.20
1300.00	0.68	12.94	31.77	23.32	22.33	18.12

1400.00	0.70	12.93	34.42	24.75	23.72	19.11
1500.00	0.72	12.94	33.94	26.21	24.07	20.42
1600.00	0.75	12.98	30.70	28.58	23.78	22.23
1700.00	0.74	12.99	27.22	30.69	23.10	24.00
1760.00	0.80	12.97	25.29	30.48	22.59	24.58
1820.00	0.79	13.02	23.58	31.06	21.97	24.60
1880.00	0.84	13.00	22.05	30.55	21.38	24.16
1940.00	0.83	13.06	20.65	31.95	20.90	23.52
2000.00	0.83	13.10	19.33	32.99	20.50	22.76
2100.00	0.88	13.16	17.36	36.24	19.74	21.26
2200.00	0.95	13.19	15.52	39.09	19.62	19.36
2300.00	1.03	13.21	13.89	42.94	19.70	17.39
2400.00	1.04	13.31	12.35	38.75	19.88	15.74
2500.00	1.05	13.48	10.95	33.13	19.81	14.51
2600.00	1.04	13.70	9.63	25.95	19.91	13.49
2700.00	1.06	13.82	8.42	22.14	19.70	12.50



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

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

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