

Directional Coupler

Z30-13-5-75

Typical Performance Data

FREQUENCY (MHz)	INSERTION LOSS (dB)	COUPLING (dB)	DIRECTIVITY (dB)	RETURN LOSS		
				IN	OUT	CPL
5.0	0.87	13.08	21.59	20.33	25.77	22.04
10.0	0.83	13.05	21.89	21.10	28.19	23.20
20.0	0.80	13.05	21.95	21.41	29.39	23.60
30.0	0.81	13.05	22.08	21.49	29.67	23.56
40.0	0.81	13.06	21.99	21.49	29.66	23.41
50.0	0.81	13.06	22.01	21.49	29.60	23.21
100.0	0.83	13.09	21.83	21.40	28.11	21.82
120.0	0.83	13.09	21.76	21.36	27.43	21.17
140.0	0.83	13.11	21.67	21.27	26.97	20.45
160.0	0.82	13.12	21.56	21.16	26.41	19.76
180.0	0.82	13.12	21.44	21.03	25.84	19.01
200.0	0.81	13.12	21.28	20.81	25.17	18.35
225.0	0.82	13.13	21.12	20.49	24.24	17.61
250.0	0.81	13.13	20.97	20.14	23.42	16.95
300.0	0.78	13.13	20.65	19.89	22.82	15.36
350.0	0.80	13.18	20.30	20.19	22.80	14.13
400.0	0.86	13.28	20.04	19.81	22.67	13.27
450.0	0.91	13.39	19.76	19.04	21.67	12.44
500.0	0.96	13.45	19.52	18.43	20.05	11.87
525.0	0.97	13.49	19.39	18.17	19.66	11.62
550.0	0.99	13.52	19.32	17.91	19.42	11.34
600.0	1.02	13.57	19.09	17.25	18.10	10.84
650.0	1.00	13.52	18.93	16.63	17.09	10.29
700.0	1.05	13.58	18.80	16.28	17.07	9.73
750.0	1.02	13.51	18.69	16.06	16.69	9.20
800.0	1.06	13.54	18.70	15.99	16.93	8.80
850.0	1.04	13.55	18.64	16.08	16.88	8.68
900.0	1.07	13.56	18.67	16.28	16.35	8.73
950.0	1.07	13.56	18.72	16.31	16.16	8.63
1000.0	1.08	13.57	18.68	16.13	15.35	8.61
1050.0	1.08	13.59	18.70	15.83	15.05	8.31
1100.0	1.09	13.58	18.76	15.46	14.73	7.92
1150.0	1.12	13.72	18.68	15.13	14.56	7.74
1200.0	1.14	13.73	18.55	15.12	15.39	7.55
1250.0	1.20	13.85	18.39	15.47	15.62	7.57
1300.0	1.24	13.84	18.06	15.80	15.81	7.76
1350.0	1.29	13.91	17.65	15.94	15.69	7.88
1400.0	1.31	13.91	17.17	16.33	15.27	7.81
1450.0	1.37	13.95	16.60	16.55	15.10	7.55
1500.0	1.43	13.97	15.97	16.05	14.33	7.28

REV. X1
Z30-13-5-75
060718
Page 1 of 1



Mini-Circuits®
IF/RF MICROWAVE COMPONENTS • ISO 9001 ISO 14001 AS9100 CERTIFIED • RoHS compliant

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

The Design Engineers Search Engine finds the model you need, Instantly • For detailed performance specs & shopping online see

