

Bi-Directional Coupler

ZBDC40-1450W+

Typical Performance Data

FREQ. (MHz)	INSERTION LOSS (dB) IN-OUT	COUPLING (dB)		DIRECTIVITY (dB)		RETURN LOSS (dB)			
		IN-FWD	OUT-REV	IN-REV	OUT-FWD	IN	OUT	FWD	REV
100.0	0.02	54.75	54.70	25.58	26.49	33.44	33.38	36.33	36.26
250.0	0.06	47.06	47.06	27.83	26.73	27.29	26.86	29.47	29.18
400.0	0.07	43.39	43.39	27.33	26.24	25.29	24.98	27.65	27.40
550.0	0.08	41.16	41.16	27.12	26.60	25.73	25.62	28.14	28.21
700.0	0.09	39.77	39.79	26.97	25.76	28.67	28.52	32.06	32.07
750.0	0.09	39.45	39.48	26.68	25.84	30.33	30.06	34.57	34.52
800.0	0.09	39.23	39.22	26.50	25.13	32.49	32.19	39.25	37.68
840.0	0.09	39.07	39.06	25.99	25.35	34.70	34.36	43.74	38.98
880.0	0.09	38.94	38.93	26.61	24.91	37.51	36.59	40.25	37.28
920.0	0.10	38.87	38.87	26.31	24.80	41.24	39.39	35.92	34.36
960.0	0.10	38.81	38.82	25.49	24.86	47.19	41.86	32.56	31.53
1000.0	0.10	38.79	38.81	25.82	25.22	64.37	42.67	29.94	29.34
1100.0	0.11	38.91	38.92	26.37	25.09	47.62	41.68	25.51	25.29
1200.0	0.11	39.22	39.25	26.81	25.80	54.95	45.96	22.85	22.72
1300.0	0.12	39.76	39.78	28.00	25.84	42.16	46.08	21.11	21.07
1380.0	0.13	40.37	40.38	28.59	26.64	33.50	34.14	20.28	20.21
1405.0	0.13	40.62	40.59	28.46	26.30	31.64	32.03	20.07	20.06
1430.0	0.13	40.84	40.83	28.89	26.90	29.93	30.26	19.92	19.93
1455.0	0.14	41.09	41.09	30.25	27.96	28.42	28.66	19.80	19.83
1480.0	0.14	41.39	41.34	31.02	27.75	27.07	27.22	19.71	19.75
1505.0	0.14	41.66	41.68	31.75	29.79	25.86	25.91	19.66	19.69
1530.0	0.15	41.98	42.00	32.10	29.48	24.78	24.81	19.69	19.69
1555.0	0.15	42.35	42.35	34.98	30.52	23.80	23.79	19.79	19.77
1580.0	0.16	42.73	42.70	35.33	31.03	22.88	22.88	19.91	19.87
1605.0	0.16	43.12	43.08	35.74	32.40	22.03	21.99	20.01	19.97
1630.0	0.17	43.54	43.54	40.35	34.13	21.22	21.15	20.15	20.16
1655.0	0.18	43.99	44.00	47.97	37.84	20.50	20.42	20.36	20.41
1680.0	0.19	44.47	44.49	46.95	38.88	19.93	19.81	20.70	20.72
1705.0	0.19	45.04	45.09	39.38	49.17	19.36	19.24	21.05	21.04
1730.0	0.20	45.61	45.63	33.86	47.57	18.80	18.67	21.40	21.41
1755.0	0.21	46.28	46.27	34.17	37.21	18.27	18.15	21.80	21.82
1780.0	0.22	46.95	46.99	28.81	34.36	17.78	17.67	22.37	22.30
1805.0	0.23	47.73	47.79	26.08	31.54	17.36	17.23	23.04	22.91
1830.0	0.24	48.60	48.64	24.92	26.42	17.01	16.85	23.82	23.72
1855.0	0.25	49.50	49.58	22.48	23.44	16.68	16.51	24.67	24.56
1880.0	0.26	50.53	50.64	20.42	22.15	16.38	16.21	25.70	25.51
1905.0	0.26	51.92	51.87	18.45	19.30	16.12	15.96	26.86	26.52
1930.0	0.27	53.33	53.25	16.15	16.65	15.90	15.73	28.20	27.72
1955.0	0.27	54.96	54.98	13.65	14.50	15.70	15.53	29.86	29.12
1980.0	0.28	57.22	57.26	11.08	10.90	15.55	15.37	32.25	30.83
1990.0	0.28	58.17	57.92	9.93	9.96	15.50	15.33	33.35	31.57

REV. X1
ZBDC40-1450W+
061031
Page 1 of 1



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

