

# Bi-Directional Coupler

# ZABDC50-150HP+

## Typical Performance Data

FREQUENCY (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
0.30	0.01	50.17	50.09	39.28	33.55	33.06	33.74	37.05	36.95
0.35	0.01	50.06	50.11	35.38	34.90	34.50	35.24	37.04	36.95
0.40	0.01	50.15	50.10	40.29	32.18	35.74	36.52	37.04	36.94
0.50	0.01	50.09	50.11	37.89	35.57	37.91	38.71	37.03	36.94
0.60	0.01	50.09	50.10	38.00	35.47	39.76	40.69	37.02	36.93
0.70	0.01	50.09	50.11	35.48	34.34	41.45	42.53	37.03	36.93
0.80	0.01	50.10	50.10	36.35	34.89	43.01	44.20	37.04	36.93
0.90	0.01	50.10	50.08	36.91	35.05	44.47	45.89	37.04	36.94
1.00	0.01	50.08	50.10	36.32	35.11	45.88	47.67	37.03	36.94
1.50	0.01	50.12	50.07	42.95	34.09	52.29	60.02	37.04	36.94
2.00	0.01	50.11	50.11	36.55	35.65	52.79	58.48	37.03	36.94
2.50	0.01	50.10	50.16	36.95	35.60	49.14	50.75	37.03	36.92
3.00	0.01	50.12	50.13	35.13	35.04	46.31	47.13	37.04	36.92
4.00	0.01	50.14	50.12	35.62	35.59	42.55	42.92	37.02	36.88
5.00	0.01	50.18	50.16	35.36	35.68	40.05	40.33	37.02	36.87
6.00	0.01	50.20	50.16	35.20	35.44	38.16	38.38	37.00	36.84
7.00	0.01	50.24	50.20	33.65	35.32	36.64	36.84	36.99	36.82
8.00	0.01	50.26	50.24	33.02	35.34	35.36	35.53	36.98	36.79
9.00	0.01	50.30	50.26	33.17	34.95	34.25	34.42	36.96	36.77
10.0	0.02	50.36	50.36	31.02	36.11	33.30	33.45	36.97	36.76
12.5	0.02	50.50	50.45	30.64	35.15	31.25	31.39	36.94	36.69
15.0	0.02	50.67	50.61	29.72	34.91	29.59	29.73	36.92	36.64
17.5	0.02	50.87	50.82	27.87	34.35	28.19	28.32	36.89	36.58
20.0	0.03	51.12	51.07	26.71	35.01	26.98	27.10	36.87	36.52
22.5	0.03	51.38	51.34	25.58	35.00	25.90	26.01	36.85	36.46
25.0	0.04	51.71	51.66	24.50	35.86	24.92	25.03	36.83	36.39



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IF/RF MICROWAVE COMPONENTS

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ZABDC50-150HP+  
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