

DC PASS Bi-Directional Coupler

ZGBDC35-93HP+

Typical Performance Data

FREQ. (MHz)	INSERTION LOSS ⁽¹⁾		COUPLING		DIRECTIVITY		RETURN LOSS			
	(dB)		(dB)		(dB)		(dB)			
	IN-OUT		IN-FWD	OUT-REV	IN-REV	OUT-FWD	IN	OUT	FWD	REV
500.0	0.01		40.05	40.08	31.18	28.50	56.18	45.81	25.02	25.47
600.0	0.01		38.70	38.71	30.75	27.45	49.44	43.74	23.96	24.45
700.0	0.01		37.63	37.67	31.20	26.97	46.59	42.51	23.18	23.66
800.0	0.01		36.79	36.81	30.71	26.05	43.68	40.72	22.57	22.98
900.0	0.01		36.10	36.13	30.70	25.58	41.73	39.88	22.21	22.56
1000.0	0.01		35.59	35.61	30.19	25.01	39.69	38.27	21.92	22.20
1100.0	0.01		35.19	35.23	29.77	24.69	37.60	37.05	21.85	22.01
1200.0	0.02		34.90	34.94	29.16	24.20	35.90	35.55	21.94	22.14
1300.0	0.02		34.72	34.76	28.49	23.73	34.12	34.06	22.07	21.93
1400.0	0.02		34.61	34.67	28.23	23.51	32.86	32.85	22.45	22.13
1500.0	0.02		34.58	34.64	27.68	23.10	31.60	31.68	22.84	22.32
1600.0	0.02		34.63	34.69	27.28	23.10	30.79	30.85	22.46	22.72
1700.0	0.02		34.72	34.80	27.36	23.10	30.17	30.30	24.09	23.07
1800.0	0.02		34.87	34.94	27.15	23.09	29.99	29.96	24.71	23.45
1900.0	0.02		35.03	35.12	27.45	23.48	30.26	30.20	25.47	23.96
2000.0	0.02		35.22	35.28	28.02	23.57	30.95	30.91	26.19	24.46
2200.0	0.02		35.53	35.59	29.95	25.30	34.85	34.44	27.17	25.30
2400.0	0.02		35.64	35.70	32.94	29.22	36.33	35.58	27.25	25.82
2600.0	0.03		35.51	35.59	32.51	32.36	29.08	28.93	26.46	25.74
2800.0	0.04		35.20	35.26	28.29	28.39	24.86	24.73	25.79	25.57
3000.0	0.05		34.80	34.85	25.55	24.15	22.88	22.85	24.76	24.76
3200.0	0.05		34.46	34.51	23.85	21.06	22.85	22.85	23.85	23.85
3400.0	0.04		34.22	34.30	23.40	18.94	25.36	25.37	22.82	22.68
3600.0	0.03		34.17	34.26	23.54	17.32	34.57	34.01	22.29	21.97
3800.0	0.03		34.32	34.43	24.79	16.14	30.98	30.69	21.83	21.28
4000.0	0.05		34.69	34.77	27.85	15.20	22.66	22.63	21.72	21.00
4200.0	0.08		35.14	35.20	33.96	14.69	19.36	19.38	21.95	20.99
4400.0	0.09		35.47	35.53	30.05	14.75	18.40	18.46	22.65	21.48
4600.0	0.08		35.54	35.63	23.87	15.59	19.54	19.60	24.09	22.58
4800.0	0.05		35.36	35.50	20.39	17.20	23.79	24.00	25.63	23.91
5000.0	0.03		35.04	35.13	18.98	19.65	38.79	45.85	26.75	25.18
5200.0	0.05		34.67	34.70	18.84	23.14	24.38	24.39	26.52	25.49
5400.0	0.09		34.31	34.37	19.69	27.79	19.16	19.05	24.47	23.94
5600.0	0.12		34.03	34.16	21.43	30.51	17.36	17.35	22.69	22.28
5800.0	0.11		33.95	34.10	24.60	26.57	17.83	17.80	20.88	20.57
6000.0	0.07		34.11	34.20	27.93	22.89	20.88	20.93	19.81	19.18
6200.0	0.04		34.39	34.47	25.17	20.47	29.56	30.72	19.30	18.36
6400.0	0.04		34.72	34.86	21.31	19.13	27.98	28.61	19.25	18.18
6600.0	0.07		35.00	35.27	18.77	18.74	20.91	20.95	19.96	18.89
6800.0	0.10		35.22	35.53	17.67	19.84	18.86	18.84	21.10	20.13
7000.0	0.09		35.28	35.50	18.17	22.58	19.62	19.55	23.06	22.31
7200.0	0.06		35.08	35.18	20.87	29.33	23.97	23.81	24.37	24.53
7400.0	0.04		34.67	34.72	26.97	27.78	43.21	37.09	23.85	24.59
7800.0	0.08		34.00	34.03	25.48	16.66	20.40	20.29	20.19	19.90
8000.0	0.09		33.83	33.87	20.63	14.24	19.82	19.65	18.88	18.28
8200.0	0.07		33.72	33.88	18.55	12.73	22.86	22.65	18.33	17.53
8400.0	0.04		33.81	34.04	17.63	11.72	35.04	35.48	18.27	17.46
8600.0	0.06		34.15	34.35	18.32	11.14	24.42	24.80	18.76	18.08
8800.0	0.10		34.66	34.73	21.08	11.05	18.59	18.77	19.52	19.20
9000.0	0.14		35.04	35.02	29.72	11.60	16.76	16.88	20.41	21.01
9200.0	0.12		35.06	35.06	26.71	13.06	17.57	17.66	21.16	23.01
9400.0	0.07		34.80	34.82	17.97	15.60	22.09	22.25	21.54	24.28
9600.0	0.05		34.44	34.47	14.55	19.17	35.49	43.92	21.45	23.85
9800.0	0.10		34.10	34.11	13.29	24.22	20.40	20.53	21.24	22.64
10000.0	0.19		33.72	33.85	13.53	27.60	15.85	15.92	20.95	21.44
11000.0	0.10		34.03	34.34	18.48	19.26	21.08	21.55	20.58	21.73
12000.0	0.09		34.00	34.05	15.08	18.41	27.23	27.24	23.65	24.25
12400.0	0.12		33.35	33.29	23.37	13.75	20.11	20.46	25.83	25.27

⁽¹⁾ Does not include coupling loss