

Bi-Directional Coupler

ZGBDC20-33HPD+

Typical Performance Data

FREQ. (MHz)	INSERTION LOSS		COUPLING		DIRECTIVITY		RETURN LOSS			
	(dB)		(dB)		(dB)		(dB)			
	IN-OUT	FWD-REV	IN-FWD	OUT-REV	IN-REV	OUT-FWD	IN	OUT	FWD	REV
10	0.03	0.03	53.76	53.88	25.27	27.75	50.59	51.10	49.77	49.64
20	0.03	0.03	47.89	47.83	25.83	26.83	46.67	46.75	45.58	45.44
40	0.03	0.03	41.86	41.80	26.27	26.47	42.15	42.32	40.84	40.99
60	0.03	0.03	38.33	38.30	27.02	26.84	39.39	39.39	38.15	38.30
80	0.03	0.03	35.84	35.83	27.05	26.72	37.32	37.25	36.28	36.35
100	0.03	0.04	33.94	33.91	27.07	27.12	35.46	35.55	34.60	34.69
150	0.04	0.04	30.52	30.49	27.73	27.13	32.77	32.99	31.45	31.60
200	0.04	0.05	28.15	28.12	28.08	27.62	30.90	31.00	29.25	29.47
250	0.05	0.06	26.37	26.36	28.53	27.86	29.46	29.57	27.77	27.97
300	0.05	0.07	24.98	24.97	28.42	27.86	28.31	28.38	26.53	26.66
350	0.05	0.06	23.87	23.85	28.29	27.64	27.15	27.12	25.42	25.36
500	0.07	0.09	21.66	21.66	27.86	26.58	24.83	24.51	23.18	22.50
650	0.07	0.09	20.49	20.53	28.68	26.15	26.15	25.78	23.98	23.15
700	0.07	0.08	20.26	20.31	29.60	26.21	28.53	28.31	25.47	24.94
800	0.06	0.07	20.02	20.05	31.62	26.96	35.02	54.71	29.16	34.24
950	0.09	0.10	20.02	20.06	32.77	29.91	22.83	23.50	23.02	24.13
1050	0.11	0.12	20.11	20.19	34.43	33.72	21.03	21.15	21.05	21.19
1200	0.08	0.10	20.24	20.31	33.45	32.71	27.04	25.52	25.66	25.02
1350	0.10	0.10	20.23	20.35	21.97	24.33	25.64	24.88	27.06	27.39
1450	0.13	0.15	20.24	20.36	18.32	20.97	20.26	20.37	20.76	20.80
1600	0.12	0.14	20.03	20.11	16.16	18.46	22.45	22.49	21.49	20.63
1700	0.10	0.12	19.88	19.94	16.50	18.24	41.55	34.63	29.93	25.26
1850	0.14	0.16	20.00	20.03	20.09	20.04	20.03	20.38	19.97	20.82
2000	0.16	0.19	20.06	20.19	33.65	26.93	19.40	19.64	18.05	19.18
2050	0.14	0.17	20.07	20.21	40.48	32.44	21.83	22.18	19.55	20.83
2150	0.12	0.13	20.09	20.25	26.62	34.56	50.90	43.09	28.97	29.18
2250	0.13	0.15	20.08	20.32	23.91	25.74	22.08	21.83	24.66	23.23
2400	0.19	0.20	20.10	20.33	27.57	22.42	18.11	18.07	18.32	18.28
2500	0.16	0.18	20.01	20.18	31.27	22.19	21.07	21.07	20.49	20.38
2600	0.11	0.14	19.83	20.02	23.95	22.72	30.75	30.55	33.43	26.14
2750	0.19	0.21	19.84	20.05	17.73	21.74	19.38	19.24	18.80	17.86
2850	0.23	0.29	19.93	20.13	15.72	19.83	17.22	17.12	15.20	15.24
3000	0.14	0.27	19.81	20.07	15.00	17.19	22.22	22.40	15.78	17.22
3050	0.15	0.25	19.81	20.06	15.41	16.73	27.94	28.66	17.64	20.66
3100	0.16	0.21	19.84	20.03	16.24	16.23	25.00	25.73	20.20	27.48
3200	0.28	0.22	20.09	20.09	19.46	16.16	15.60	15.75	18.65	19.53
3300	0.39	0.34	20.25	20.18	21.45	17.34	12.59	12.77	13.75	13.60
3400	0.35	0.41	20.60	20.56	22.23	36.56	13.77	14.02	12.92	12.86
3500	0.21	0.29	20.10	20.01	13.81	20.45	22.73	23.83	16.28	16.72