

DC PASS

Bi-Directional Coupler

ZGBDC20-33HP+

Typical Performance Data

FREQ. (MHz)	INSERTION LOSS ⁽¹⁾		COUPLING		DIRECTIVITY		RETURN LOSS			
	(dB)		(dB)		(dB)		(dB)			
	IN-OUT	FWD-REV	IN-FWD	OUT-REV	IN-REV	OUT-FWD	IN	OUT	FWD	REV
50.0	0.01	0.01	39.91	39.93	39.71	38.30	42.00	41.93	41.19	41.44
60.0	0.01	0.01	38.35	38.36	40.54	37.62	40.55	40.35	39.75	40.00
70.0	0.01	0.01	37.03	37.04	38.98	37.45	39.32	39.02	38.62	38.79
80.0	0.01	0.01	35.88	35.89	38.64	36.64	38.33	37.99	37.64	37.78
90.0	0.02	0.02	34.85	34.88	38.12	36.41	37.51	37.11	36.78	36.93
100.0	0.02	0.02	33.96	33.98	37.99	35.73	36.77	36.40	36.02	36.19
150.0	0.02	0.02	30.53	30.56	35.67	32.85	34.37	34.00	33.60	33.71
200.0	0.03	0.03	28.17	28.18	34.19	31.28	33.43	33.11	32.63	32.87
250.0	0.04	0.04	26.39	26.42	33.32	29.89	33.44	33.29	32.09	32.47
300.0	0.04	0.05	25.02	25.04	32.19	28.93	33.92	34.01	32.25	32.61
350.0	0.05	0.05	23.91	23.93	31.59	28.28	35.75	36.10	33.44	33.74
360.0	0.05	0.06	23.71	23.74	31.48	28.15	36.25	36.66	33.67	33.99
370.0	0.05	0.06	23.53	23.56	31.37	28.09	36.76	37.25	33.94	34.27
380.0	0.05	0.06	23.35	23.38	31.32	27.93	37.29	37.86	34.23	34.53
390.0	0.05	0.06	23.18	23.21	31.20	27.83	37.86	38.52	34.59	34.84
400.0	0.06	0.06	23.01	23.04	31.09	27.75	38.56	39.25	34.99	35.19
450.0	0.06	0.06	22.30	22.32	30.81	27.33	42.47	46.04	37.66	37.23
500.0	0.07	0.07	21.72	21.75	30.79	27.14	41.21	45.50	40.04	38.42
550.0	0.08	0.08	21.26	21.29	30.94	27.03	36.93	39.15	40.11	37.19
600.0	0.08	0.08	20.91	20.93	31.58	27.13	33.63	34.97	37.80	35.06
650.0	0.09	0.09	20.64	20.67	32.26	27.41	31.71	32.81	35.39	33.09
700.0	0.09	0.09	20.45	20.48	33.35	27.70	30.40	31.29	33.99	32.03
800.0	0.10	0.10	20.24	20.29	36.08	28.64	30.07	30.78	33.49	31.57
850.0	0.10	0.11	20.22	20.27	37.24	29.09	30.94	31.58	34.42	32.19
900.0	0.10	0.11	20.23	20.28	36.83	29.18	32.33	32.96	35.48	33.19
950.0	0.10	0.11	20.26	20.33	35.24	28.98	35.04	35.81	36.79	34.88
1000.0	0.11	0.11	20.32	20.40	33.57	28.45	38.62	39.76	36.87	35.68
1050.0	0.11	0.11	20.39	20.47	31.88	28.01	43.21	48.55	35.61	35.74
1100.0	0.11	0.12	20.45	20.54	30.63	27.43	40.08	43.02	33.99	34.34
1150.0	0.11	0.12	20.50	20.59	29.76	26.86	35.53	37.29	32.39	32.87
1200.0	0.12	0.12	20.54	20.65	29.38	26.70	32.95	34.30	31.45	31.53
1250.0	0.12	0.13	20.56	20.67	29.35	26.54	31.22	32.48	30.82	30.77
1300.0	0.12	0.13	20.57	20.68	29.68	26.76	30.33	31.52	30.70	30.42
1350.0	0.12	0.13	20.55	20.65	30.60	26.94	29.97	31.02	31.02	30.45
1400.0	0.13	0.13	20.51	20.62	32.20	27.45	30.27	31.31	31.51	30.64
1500.0	0.13	0.14	20.41	20.52	38.81	27.67	32.27	32.89	32.08	31.10
1700.0	0.14	0.16	20.24	20.37	33.76	24.47	44.58	42.04	27.99	28.18
1800.0	0.14	0.16	20.22	20.37	29.34	22.91	43.37	43.47	26.90	27.04
1900.0	0.15	0.17	20.26	20.43	27.39	22.01	37.79	37.80	26.99	27.02
2000.0	0.15	0.17	20.35	20.52	26.70	21.92	34.81	34.23	28.28	28.10
2100.0	0.16	0.17	20.44	20.60	27.10	22.63	33.00	32.19	30.72	30.34
2200.0	0.16	0.17	20.49	20.65	27.89	24.06	32.57	31.99	34.72	33.95
2300.0	0.17	0.18	20.47	20.64	28.03	25.18	33.67	34.04	42.47	42.22
2400.0	0.18	0.19	20.40	20.58	27.14	24.54	35.87	38.31	43.86	40.95
2500.0	0.18	0.20	20.29	20.50	26.06	23.00	36.63	38.11	33.64	31.90
2600.0	0.19	0.22	20.20	20.42	25.66	21.68	34.58	34.13	29.14	27.63
2700.0	0.20	0.23	20.14	20.37	26.03	20.92	33.61	32.67	26.62	25.43
2800.0	0.20	0.24	20.13	20.37	26.82	20.75	34.99	34.09	25.45	24.46
2900.0	0.21	0.25	20.17	20.42	26.83	20.85	38.08	38.57	25.13	24.52
3000.0	0.21	0.25	20.23	20.50	25.61	21.01	36.48	39.39	25.19	24.94
3100.0	0.22	0.25	20.30	20.58	23.98	20.97	32.76	34.34	25.50	25.82
3200.0	0.22	0.26	20.34	20.62	23.20	21.05	31.57	32.75	26.28	27.01
3300.0	0.22	0.26	20.31	20.57	23.93	21.77	32.64	33.85	28.28	29.57
3400.0	0.22	0.26	20.39	20.64	24.13	21.19	32.85	33.77	33.43	36.07
3500.0	0.23	0.26	20.25	20.50	25.13	21.90	30.51	30.83	51.04	44.79
3600.0	0.24	0.27	20.10	20.34	22.96	20.37	28.70	28.87	34.86	32.31
3700.0	0.24	0.28	20.19	20.46	18.80	17.95	30.00	29.90	30.32	28.38
3800.0	0.24	0.29	19.98	20.32	16.83	15.68	37.26	35.14	28.15	26.48
4000.0	0.27	0.33	20.01	20.38	15.11	13.22	23.85	24.19	20.91	20.73

⁽¹⁾ Does not include coupling loss