

Bi-Directional Coupler

ZGBDC10-372HP+

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	0.01	0.01	28.18	28.20	36.13	35.00	46.41	46.56	46.44	46.24
100	0.01	0.01	22.28	22.29	33.29	33.34	40.58	40.40	39.99	40.51
200	0.02	0.02	16.59	16.60	35.27	34.59	37.04	37.41	35.13	35.64
300	0.03	0.02	13.59	13.61	38.85	36.71	35.65	36.21	34.20	34.78
380	0.03	0.03	12.08	12.10	44.02	38.91	36.78	38.06	34.16	34.40
400	0.03	0.03	11.79	11.81	46.67	39.43	37.63	38.99	34.28	34.52
500	0.03	0.04	10.68	10.70	46.43	41.94	41.92	43.11	35.93	35.77
600	0.04	0.04	10.04	10.07	36.61	40.78	41.46	39.68	36.72	36.75
700	0.05	0.05	9.73	9.77	32.72	37.72	37.79	35.62	36.94	37.29
800	0.05	0.05	9.64	9.69	30.17	35.74	35.65	33.18	37.04	37.46
900	0.06	0.06	9.67	9.74	29.41	34.06	37.18	34.21	36.16	37.06
1000	0.06	0.07	9.75	9.83	29.13	32.57	39.93	36.85	34.00	35.83
1100	0.07	0.07	9.80	9.88	28.98	30.39	38.68	39.69	31.73	33.80
1200	0.07	0.08	9.77	9.87	27.95	28.07	34.88	36.93	30.40	32.33
1300	0.08	0.08	9.68	9.78	26.12	26.20	33.23	34.35	30.69	32.35
1400	0.08	0.09	9.57	9.68	24.66	25.14	33.81	33.64	32.97	33.94
1500	0.08	0.09	9.49	9.61	23.72	24.87	36.67	34.16	37.15	38.29
1600	0.09	0.10	9.47	9.59	23.29	25.62	41.05	36.39	35.02	52.47
1700	0.09	0.10	9.52	9.64	23.16	27.36	43.73	40.73	30.24	37.43
1800	0.10	0.11	9.62	9.75	22.84	29.39	42.98	44.53	27.59	31.58
1900	0.10	0.12	9.72	9.86	22.30	28.42	43.78	42.56	26.62	28.69
2000	0.11	0.13	9.78	9.93	21.46	25.16	54.27	36.08	26.94	27.26
2100	0.11	0.13	9.76	9.94	20.78	22.56	47.25	31.70	28.54	26.74
2200	0.11	0.13	9.70	9.90	20.36	21.09	39.31	29.45	31.47	27.06
2300	0.12	0.14	9.61	9.83	20.18	20.64	36.16	28.94	36.23	28.38
2400	0.12	0.14	9.55	9.76	20.07	20.97	34.35	30.02	40.56	30.70
2500	0.13	0.14	9.55	9.75	19.91	22.12	33.51	32.05	35.87	32.37
2600	0.13	0.15	9.60	9.80	19.72	23.95	32.99	33.54	31.56	31.32
2700	0.14	0.15	9.70	9.89	19.39	26.12	32.77	31.96	28.93	29.35
2800	0.14	0.16	9.80	10.00	19.01	26.71	32.36	29.34	27.41	28.15
2900	0.14	0.16	9.87	10.10	18.47	24.80	31.12	26.69	26.66	27.66
3000	0.15	0.17	9.88	10.14	17.95	22.35	29.01	24.93	26.52	27.11
3100	0.16	0.18	9.82	10.13	17.51	20.47	26.95	23.85	26.89	26.09
3200	0.17	0.19	9.74	10.08	17.60	19.28	25.88	23.68	27.67	25.18
3300	0.17	0.19	9.68	10.02	18.35	18.77	26.03	24.61	29.05	25.01
3400	0.17	0.19	9.67	9.98	19.82	18.97	27.98	27.23	31.64	26.03
3500	0.17	0.19	9.71	9.99	20.96	20.00	33.01	30.77	36.83	28.74
3600	0.17	0.19	9.78	10.06	19.79	22.44	35.26	28.69	33.37	35.22
3700	0.18	0.20	9.88	10.17	17.25	26.80	27.26	24.03	26.02	32.65
3800	0.21	0.22	9.98	10.30	15.28	28.20	22.80	20.64	21.69	24.36
3900	0.24	0.27	10.08	10.52	14.37	21.44	20.57	18.54	19.66	20.21
4000	0.25	0.29	9.98	10.49	14.81	18.95	19.98	18.08	18.79	18.40

⁽¹⁾ Does not include coupling loss