

Bi-Directional Coupler

ZGBDC6-372HP+

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	22.96	22.99	29.57	29.97	49.90	49.22	55.96	58.72
100	0.01	0.02	17.08	17.10	30.03	29.64	44.38	44.42	54.34	54.68
200	0.02	0.03	11.57	11.59	29.79	29.07	37.85	38.56	46.00	48.02
300	0.04	0.04	8.82	8.84	29.73	28.91	34.85	36.43	37.92	40.31
380	0.04	0.05	7.51	7.54	29.90	28.87	32.99	34.81	34.42	36.94
400	0.04	0.05	7.27	7.29	30.00	28.89	32.46	34.37	33.80	36.30
500	0.05	0.07	6.38	6.42	30.08	29.30	31.15	33.63	30.74	32.90
600	0.06	0.08	5.92	5.96	30.70	30.25	30.70	32.37	29.59	31.40
700	0.07	0.09	5.73	5.79	31.67	31.72	31.35	32.96	29.83	31.43
800	0.07	0.10	5.73	5.80	31.99	32.73	33.02	34.98	31.45	33.29
900	0.08	0.11	5.82	5.92	30.84	31.45	36.74	40.91	34.13	36.41
1000	0.08	0.12	5.91	6.04	28.46	28.84	38.15	36.02	33.77	33.77
1100	0.09	0.14	5.96	6.10	26.42	26.86	33.25	31.18	30.40	30.26
1200	0.10	0.15	5.94	6.09	25.19	25.99	29.73	29.39	28.09	29.01
1300	0.11	0.16	5.87	6.02	25.05	26.39	27.96	28.36	27.40	28.89
1400	0.12	0.17	5.79	5.95	26.08	28.08	27.69	27.10	28.24	28.26
1500	0.12	0.18	5.76	5.93	28.62	31.54	28.74	26.72	30.35	27.79
1600	0.12	0.18	5.79	5.98	33.85	39.37	30.94	28.38	33.55	29.38
1700	0.12	0.18	5.90	6.09	60.89	44.24	34.42	33.22	37.10	34.41
1800	0.13	0.19	6.03	6.23	34.32	34.08	38.32	35.55	40.92	38.26
1900	0.13	0.20	6.14	6.36	29.04	30.80	40.30	32.05	50.81	34.13
2000	0.14	0.21	6.19	6.42	27.04	30.17	40.44	32.35	40.03	34.17
2100	0.14	0.21	6.18	6.40	26.66	31.72	39.59	35.82	32.35	34.07
2200	0.15	0.22	6.12	6.34	27.52	36.43	36.62	36.57	28.36	29.92
2300	0.16	0.23	6.05	6.27	29.24	45.71	32.94	33.41	26.29	27.14
2400	0.16	0.24	6.02	6.24	32.06	35.83	29.89	32.57	25.51	26.39
2500	0.17	0.25	6.05	6.28	33.99	30.23	27.67	32.98	25.77	27.43
2600	0.18	0.25	6.13	6.37	30.87	27.03	26.30	32.84	27.10	30.40
2700	0.19	0.26	6.24	6.49	26.79	25.22	25.88	30.91	29.45	34.96
2800	0.19	0.26	6.31	6.59	23.97	24.39	26.62	29.05	31.58	38.52
2900	0.19	0.27	6.34	6.63	22.50	24.50	28.48	28.73	29.76	43.07
3000	0.20	0.28	6.31	6.58	22.27	25.67	29.53	30.16	26.38	42.70
3100	0.21	0.29	6.23	6.49	23.01	27.43	27.29	31.97	23.96	33.04
3200	0.22	0.30	6.15	6.39	23.71	27.38	24.79	31.04	22.62	29.16
3300	0.23	0.31	6.10	6.34	22.96	24.63	23.52	30.65	22.29	28.19
3400	0.24	0.32	6.10	6.33	21.08	21.86	23.54	32.99	22.90	29.18
3500	0.25	0.33	6.14	6.39	19.54	19.91	24.17	39.25	24.17	31.57
3600	0.26	0.33	6.24	6.49	18.85	19.01	23.49	36.79	24.52	36.68
3700	0.28	0.33	6.38	6.60	19.34	19.03	20.97	27.44	22.51	32.56
3800	0.31	0.36	6.48	6.69	20.91	20.08	18.73	22.47	20.07	25.49
3900	0.34	0.38	6.52	6.71	21.92	20.97	17.61	20.52	18.75	23.08
4000	0.36	0.39	6.46	6.64	20.06	20.66	17.84	21.26	18.58	23.74

⁽¹⁾ Does not include coupling loss