

# Bi-Directional Coupler

# ZGBDC30-372HP+

## Typical Performance Data

FREQ. (MHz)	INSERTION LOSS <sup>(1)</sup>		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	0.00	0.01	48.54	49.05	24.61	24.54	52.92	52.02	45.38	45.47
100	0.01	0.01	43.23	43.27	53.74	40.36	44.24	45.15	40.27	39.94
200	0.02	0.02	37.49	37.52	48.83	38.69	38.00	38.21	35.95	35.35
300	0.02	0.02	34.41	34.43	44.37	35.21	35.33	35.30	33.66	32.95
380	0.03	0.03	32.82	32.81	45.58	35.88	32.64	32.30	33.26	32.74
400	0.03	0.03	32.49	32.51	45.79	35.85	32.18	31.85	33.28	32.79
500	0.03	0.04	31.29	31.32	47.72	34.83	30.67	30.06	32.92	32.69
600	0.04	0.04	30.56	30.59	49.06	35.87	29.68	29.27	32.71	32.90
700	0.04	0.05	30.17	30.22	42.00	34.82	30.23	29.87	32.01	32.56
800	0.05	0.05	30.01	30.06	37.18	34.56	32.15	32.11	31.54	32.52
900	0.05	0.05	29.99	30.04	33.43	33.21	37.25	37.55	31.68	32.51
1000	0.05	0.06	30.00	30.08	31.22	31.22	45.91	47.56	32.42	32.98
1100	0.06	0.06	30.00	30.07	30.39	30.50	34.78	36.05	33.91	34.05
1200	0.06	0.07	29.94	30.04	30.79	31.33	30.50	31.63	36.31	35.98
1300	0.07	0.07	29.88	29.97	32.52	33.31	28.82	29.96	39.82	38.88
1400	0.08	0.08	29.81	29.91	34.87	38.42	29.40	30.35	37.35	36.27
1500	0.08	0.08	29.81	29.90	41.48	47.23	32.16	32.63	31.20	30.64
1600	0.08	0.08	29.84	29.96	41.00	33.68	38.60	37.49	26.92	26.74
1700	0.09	0.09	29.92	30.04	35.25	28.41	42.41	50.26	24.33	24.49
1800	0.09	0.09	30.01	30.15	31.25	25.43	35.85	47.17	22.88	23.34
1900	0.09	0.09	30.07	30.24	29.96	23.72	33.99	41.68	22.37	23.12
2000	0.10	0.10	30.08	30.24	29.24	22.93	34.84	40.20	22.72	23.85
2100	0.10	0.10	30.02	30.18	29.58	23.28	38.67	39.78	24.25	25.87
2200	0.11	0.11	29.95	30.11	30.25	24.08	40.12	39.09	27.03	29.63
2300	0.11	0.11	29.90	30.05	30.73	25.74	35.14	38.76	30.63	36.06
2400	0.11	0.12	29.90	30.05	30.43	28.21	32.55	39.96	30.89	34.22
2500	0.12	0.12	29.99	30.16	28.61	29.63	32.36	42.85	27.31	28.50
2600	0.12	0.13	30.15	30.32	26.63	27.17	35.19	41.10	25.03	25.58
2700	0.13	0.13	30.31	30.52	25.02	23.98	45.08	36.31	23.88	24.07
2800	0.13	0.14	30.46	30.70	24.59	21.56	39.02	33.29	23.95	23.72
2900	0.14	0.14	30.56	30.82	24.57	20.45	31.99	31.86	25.09	24.46
3000	0.14	0.15	30.59	30.85	26.58	20.44	29.17	31.01	27.24	26.45
3100	0.15	0.15	30.60	30.81	30.28	21.55	28.17	30.11	30.56	30.34
3200	0.16	0.16	30.56	30.77	37.81	24.11	27.98	29.10	32.05	33.96
3300	0.16	0.17	30.58	30.78	31.74	29.83	28.00	28.70	29.15	30.03
3400	0.16	0.17	30.67	30.89	25.92	35.85	28.71	29.82	26.02	26.03
3500	0.16	0.17	30.85	31.08	22.72	26.96	31.66	34.10	24.24	24.04
3600	0.17	0.17	31.06	31.34	20.98	22.29	34.55	33.85	23.87	23.69
3700	0.18	0.19	31.26	31.59	20.47	20.16	27.15	26.44	24.81	24.87
3800	0.20	0.21	31.42	31.76	21.15	20.23	22.32	22.39	27.03	27.44
3900	0.23	0.23	30.41	31.05	17.51	25.79	20.16	20.58	28.41	28.93
4000	0.23	0.23	32.35	32.62	20.48	19.59	19.89	20.72	22.05	22.27

<sup>(1)</sup> Does not include coupling loss