

High Power Bi-Directional Coupler

ZGDC35-93HP+

Typical Performance Data

FREQ. (GHz)	INSERTION LOSS (dB) IN-OUT	COUPLING (dB)		DIRECTIVITY (dB)		RETURN LOSS (dB)			
		IN-FWD	OUT-REV	IN-REV	OUT-FWD	IN	OUT	FWD	REV
0.5	0.01	39.67	39.65	37.34	32.09	53.17	44.63	30.52	31.43
0.6	0.01	38.30	38.29	47.06	30.73	47.89	43.98	29.41	30.13
0.7	0.01	37.21	37.22	41.41	30.03	44.07	42.13	28.39	28.94
0.8	0.01	36.35	36.37	39.15	28.93	41.90	40.98	27.55	27.88
0.9	0.01	35.66	35.68	39.60	27.52	40.19	40.41	26.91	26.92
1.0	0.01	35.39	35.41	37.32	27.35	39.60	39.94	26.57	26.38
1.0	0.01	35.13	35.15	37.21	27.09	38.69	39.62	26.37	26.08
1.1	0.01	34.93	34.95	35.15	27.19	38.28	39.24	26.08	25.64
1.1	0.01	34.73	34.76	33.28	27.05	37.90	38.45	25.87	25.27
1.3	0.01	34.34	34.36	33.86	25.94	36.41	37.43	25.26	24.39
1.5	0.02	34.11	34.15	31.32	25.13	34.66	34.84	24.75	23.59
1.7	0.02	34.16	34.21	29.70	24.63	32.36	31.47	24.46	23.31
1.9	0.02	34.45	34.49	30.44	24.60	30.10	28.81	24.36	23.46
2.1	0.03	34.81	34.90	30.70	25.04	29.63	27.89	24.67	24.19
2.2	0.02	35.04	35.11	31.86	25.79	30.36	28.11	25.34	25.29
2.4	0.02	35.21	35.25	35.54	28.03	34.52	30.49	26.13	26.99
2.6	0.02	35.13	35.18	44.64	29.89	39.22	34.05	27.28	28.91
2.8	0.03	34.87	34.90	32.10	28.13	29.38	29.44	27.80	28.99
3.0	0.04	34.52	34.54	26.78	23.55	24.83	24.91	26.72	26.84
3.1	0.05	34.44	34.47	26.83	22.80	24.12	24.10	26.24	26.31
3.2	0.05	34.23	34.27	25.04	20.66	23.19	23.14	25.01	24.74
3.4	0.04	33.99	34.05	24.34	18.66	24.12	24.01	23.48	23.07
3.6	0.03	33.92	34.03	24.53	17.23	29.75	28.90	22.23	21.97
3.8	0.03	34.05	34.17	25.33	16.40	43.38	34.14	21.83	21.75
4.0	0.04	34.36	34.44	29.43	15.74	26.87	26.10	22.01	22.11
4.2	0.06	34.76	34.81	41.39	15.73	22.08	21.76	22.57	22.92
4.4	0.07	35.08	35.13	32.97	16.45	20.13	19.96	23.95	24.39
4.6	0.07	35.19	35.26	24.77	17.90	20.47	20.28	25.33	25.86
4.8	0.05	35.07	35.12	21.35	20.66	23.18	22.84	26.49	26.76
5.0	0.03	34.79	34.81	19.53	24.29	30.83	29.45	26.46	26.24
5.1	0.03	34.60	34.64	19.05	26.62	47.44	34.77	25.72	25.56
5.4	0.04	34.03	34.08	19.24	24.25	22.98	22.84	24.21	23.81
5.7	0.07	33.73	33.83	21.36	20.81	19.40	19.29	23.73	23.48
6.0	0.06	33.85	33.92	27.88	18.98	20.90	20.66	24.12	23.62
6.3	0.04	34.26	34.33	31.28	18.71	29.95	27.79	25.56	24.63
6.7	0.04	34.88	35.02	20.11	21.42	25.43	24.80	25.78	24.53
7.0	0.06	34.99	35.11	17.61	27.96	22.05	22.14	26.28	25.51
7.3	0.05	34.59	34.65	17.97	27.64	24.31	24.81	29.06	29.41
7.6	0.03	33.97	34.07	20.40	21.49	39.07	37.69	37.13	43.72
8.0	0.05	33.55	33.61	22.78	17.80	25.55	26.20	33.19	28.92
8.1	0.05	33.54	33.60	22.48	17.32	25.36	25.71	31.28	27.32
8.2	0.05	33.57	33.64	21.47	16.80	25.71	26.20	28.88	25.89
8.3	0.05	33.64	33.72	20.51	16.24	27.20	27.94	28.01	25.35
8.4	0.05	33.72	33.83	19.47	15.79	30.81	31.18	26.52	24.68
8.5	0.04	33.89	33.98	18.97	15.24	32.45	32.84	25.72	24.43
8.6	0.05	34.06	34.15	18.39	14.81	28.03	28.19	24.81	24.17
8.7	0.06	34.24	34.34	18.47	14.44	23.51	23.64	23.94	23.71
8.8	0.07	34.47	34.56	19.23	13.90	20.68	20.66	22.87	23.16
8.9	0.09	34.67	34.72	19.97	13.62	19.01	18.95	22.41	22.90
9.0	0.11	34.83	34.91	21.86	13.32	17.93	17.86	21.76	22.31
9.2	0.11	34.95	34.97	30.53	13.13	18.17	17.91	20.59	21.18
9.4	0.08	34.69	34.79	25.02	13.66	22.56	21.78	19.72	20.29
9.5	0.06	34.49	34.62	20.79	14.00	28.65	27.03	19.68	20.18
9.6	0.06	34.24	34.44	18.31	14.66	37.71	36.31	19.81	20.13
9.8	0.12	33.89	34.06	15.61	16.58	19.65	20.11	21.02	21.07
10.0	0.29	33.72	33.81	14.74	18.42	14.92	14.88	23.92	23.49
10.6	0.15	33.47	33.63	17.66	27.67	17.35	17.70	20.47	20.69
12.3	0.07	33.23	33.31	20.13	13.69	24.55	22.91	22.88	23.95

