

Bi-Directional Coupler

SYBD-ED12713/7

Typical Performance Data

FREQ. (MHz)	INSERTION LOSS (dB) IN-OUT	COUPLING (dB)		DIRECTIVITY (dB)		RETURN LOSS (dB)			
		IN-FWD	OUT-REV	IN-REV	OUT-FWD	IN	OUT	FWD	REV
200.0	0.00	36.25	36.22	23.42	23.50	41.19	43.79	40.71	42.78
250.0	0.01	34.33	34.30	23.67	23.54	39.05	40.23	38.80	40.31
300.0	0.01	32.76	32.72	23.54	23.43	37.25	37.97	36.65	37.42
350.0	0.01	31.44	31.40	23.71	23.38	35.79	35.66	35.76	35.95
400.0	0.02	30.29	30.25	23.29	23.26	34.44	34.34	34.09	34.21
405.0	0.02	30.18	30.14	23.33	23.27	34.24	34.14	33.93	34.05
410.0	0.02	30.08	30.04	23.27	23.26	34.05	33.88	33.79	33.90
415.0	0.02	29.97	29.94	23.22	23.23	33.89	33.63	33.62	33.71
420.0	0.02	29.87	29.83	23.20	23.25	33.63	33.37	33.49	33.55
425.0	0.02	29.77	29.74	23.17	23.20	33.42	33.09	33.36	33.35
430.0	0.01	29.66	29.62	23.25	23.24	33.23	32.81	33.23	33.21
435.0	0.02	29.56	29.53	23.23	23.21	33.09	32.60	33.08	33.07
440.0	0.02	29.47	29.43	23.26	23.17	32.96	32.43	32.96	32.91
445.0	0.02	29.37	29.33	23.23	23.19	32.83	32.28	32.89	32.80
450.0	0.02	29.27	29.23	23.23	23.21	32.74	32.19	32.84	32.78
455.0	0.02	29.18	29.14	23.25	23.22	32.68	32.14	32.80	32.66
460.0	0.02	29.08	29.05	23.25	23.22	32.61	32.05	32.74	32.62
465.0	0.02	28.99	28.96	23.30	23.24	32.60	31.98	32.70	32.48
470.0	0.02	28.90	28.87	23.31	23.19	32.50	31.95	32.59	32.36
475.0	0.02	28.81	28.77	23.35	23.16	32.45	31.91	32.50	32.22
480.0	0.02	28.72	28.68	23.41	23.17	32.34	31.85	32.42	32.09
485.0	0.02	28.63	28.60	23.36	23.21	32.27	31.75	32.30	31.98
490.0	0.02	28.55	28.51	23.40	23.13	32.19	31.70	32.19	31.85
495.0	0.02	28.46	28.42	23.40	23.17	32.14	31.63	32.07	31.74
500.0	0.02	28.38	28.33	23.42	23.13	31.99	31.57	31.96	31.64
510.0	0.02	28.21	28.16	23.42	23.13	31.78	31.37	31.68	31.38
520.0	0.02	28.05	28.00	23.43	23.12	31.43	31.08	31.38	31.13
530.0	0.02	27.89	27.84	23.43	23.09	31.05	30.68	31.08	30.96
540.0	0.03	27.73	27.68	23.47	23.11	30.66	30.37	30.88	30.81
550.0	0.03	27.58	27.52	23.54	23.16	30.36	30.12	30.61	30.57
560.0	0.03	27.44	27.36	23.61	23.19	30.14	29.91	30.46	30.46
565.0	0.03	27.36	27.28	23.60	23.24	30.07	29.82	30.39	30.36
570.0	0.03	27.29	27.20	23.62	23.20	29.97	29.75	30.30	30.29
575.0	0.03	27.22	27.11	23.59	23.12	29.91	29.65	30.22	30.21
580.0	0.03	27.14	27.04	23.54	23.07	29.85	29.58	30.10	30.11
585.0	0.02	27.05	26.95	23.42	22.96	29.81	29.52	30.02	30.00
590.0	0.03	26.97	26.87	23.28	22.83	29.78	29.49	29.94	29.91
595.0	0.03	26.89	26.80	23.16	22.78	29.74	29.43	29.88	29.82
600.0	0.02	26.81	26.73	23.10	22.75	29.72	29.37	29.81	29.74
605.0	0.02	26.73	26.66	22.93	22.63	29.72	29.34	29.74	29.66
610.0	0.03	26.66	26.59	22.88	22.54	29.67	29.25	29.65	29.58
615.0	0.03	26.59	26.52	22.85	22.48	29.54	29.21	29.59	29.45
620.0	0.03	26.52	26.46	22.78	22.49	29.43	29.10	29.51	29.35
625.0	0.03	26.45	26.40	22.75	22.44	29.32	28.96	29.48	29.26
630.0	0.03	26.38	26.33	22.74	22.45	29.21	28.83	29.39	29.14
635.0	0.03	26.31	26.26	22.69	22.4	28.97	28.66	29.28	29.06
640.0	0.03	26.25	26.20	22.68	22.37	28.84	28.53	29.15	28.96
645.0	0.03	26.18	26.14	22.67	22.37	28.63	28.39	29.10	28.86
650.0	0.03	26.12	26.07	22.64	22.34	28.46	28.26	29.01	28.81
655.0	0.03	26.05	26.01	22.66	22.36	28.36	28.12	28.96	28.76
660.0	0.03	25.99	25.95	22.70	22.31	28.22	27.97	28.89	28.68
670.0	0.04	25.86	25.82	22.75	22.28	27.94	27.72	28.69	28.51
680.0	0.03	25.73	25.69	22.83	22.30	27.74	27.52	28.46	28.35
690.0	0.04	25.62	25.58	22.93	22.26	27.61	27.38	28.33	28.23
700.0	0.04	25.50	25.46	22.99	22.29	27.59	27.38	28.18	28.13