

Bi-Directional Coupler

SYBD-ED12762/7

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	0.05	33.68	33.63	26.57	25.31	39.71	40.18	43.62	45.59
250.0	0.06	31.75	31.70	26.73	25.33	40.39	38.88	41.09	43.39
300.0	0.06	30.18	30.12	26.65	25.21	39.20	37.10	39.28	40.59
350.0	0.07	28.85	28.79	26.93	25.13	38.59	35.80	38.43	39.29
400.0	0.08	27.70	27.64	26.44	25.00	37.24	34.60	36.38	37.33
405.0	0.08	27.59	27.54	26.39	25.01	37.14	34.47	36.23	37.18
410.0	0.08	27.49	27.43	26.34	24.98	37.04	34.34	36.10	36.98
415.0	0.08	27.38	27.33	26.29	24.99	36.93	34.19	35.98	36.78
420.0	0.08	27.28	27.23	26.30	24.98	36.82	34.03	35.85	36.61
425.0	0.08	27.18	27.13	26.28	24.92	36.70	33.87	35.77	36.44
430.0	0.07	27.07	27.01	26.26	24.94	36.58	33.70	35.62	36.25
435.0	0.07	26.97	26.92	26.27	24.90	36.41	33.52	35.52	36.11
440.0	0.07	26.88	26.82	26.20	24.90	36.31	33.34	35.40	35.94
445.0	0.07	26.78	26.72	26.19	24.88	36.19	33.21	35.32	35.81
450.0	0.07	26.68	26.63	26.18	24.88	36.06	33.11	35.26	35.74
455.0	0.07	26.59	26.53	26.21	24.86	36.00	32.97	35.19	35.64
460.0	0.07	26.50	26.44	26.19	24.85	35.84	32.86	35.13	35.56
465.0	0.08	26.40	26.35	26.23	24.84	35.75	32.76	35.01	35.43
470.0	0.08	26.31	26.26	26.27	24.88	35.65	32.64	34.93	35.34
475.0	0.08	26.22	26.16	26.31	24.89	35.55	32.55	34.81	35.17
480.0	0.08	26.13	26.07	26.33	24.89	35.42	32.46	34.72	35.02
485.0	0.08	26.05	25.98	26.36	24.88	35.31	32.36	34.61	34.89
490.0	0.08	25.96	25.90	26.41	24.87	35.24	32.27	34.49	34.76
495.0	0.08	25.87	25.81	26.42	24.85	35.19	32.19	34.37	34.62
500.0	0.08	25.78	25.72	26.44	24.82	35.14	32.10	34.26	34.51
505.0	0.08	25.70	25.64	26.45	24.81	35.04	32.04	34.16	34.40
510.0	0.08	25.62	25.56	26.46	24.79	34.97	31.96	34.02	34.29
515.0	0.08	25.53	25.47	26.46	24.79	34.86	31.89	33.87	34.15
520.0	0.09	25.45	25.39	26.48	24.81	34.76	31.77	33.72	34.03
525.0	0.09	25.37	25.31	26.49	24.79	34.57	31.66	33.62	33.89
530.0	0.09	25.30	25.23	26.50	24.79	34.41	31.54	33.40	33.78
535.0	0.09	25.21	25.15	26.48	24.79	34.23	31.43	33.25	33.80
540.0	0.09	25.14	25.07	26.51	24.79	34.06	31.32	33.16	33.59
545.0	0.09	25.06	24.99	26.49	24.79	33.89	31.21	33.00	33.51
550.0	0.09	24.98	24.91	26.49	24.81	33.74	31.13	32.91	33.48
555.0	0.09	24.91	24.83	26.49	24.82	33.62	31.02	32.85	33.43
560.0	0.09	24.83	24.75	26.44	24.86	33.47	30.94	32.76	33.41
565.0	0.10	24.76	24.67	26.45	24.84	33.38	30.84	32.69	33.34
570.0	0.10	24.68	24.59	26.40	24.84	33.28	30.75	32.58	33.26
575.0	0.10	24.61	24.52	26.41	24.82	33.17	30.65	32.51	33.19
580.0	0.10	24.53	24.44	26.32	24.75	33.07	30.55	32.40	33.09
590.0	0.09	24.36	24.27	26.14	24.56	32.96	30.37	32.24	32.86
600.0	0.09	24.21	24.13	25.80	24.36	32.92	30.20	32.08	32.64
610.0	0.09	24.06	23.99	25.60	24.24	32.84	30.08	31.94	32.40
615.0	0.09	23.99	23.92	25.56	24.18	32.76	30.01	31.86	32.25
620.0	0.09	23.92	23.86	25.54	24.15	32.67	29.92	31.76	32.11
630.0	0.09	23.79	23.73	25.55	24.11	32.39	29.73	31.57	31.84
640.0	0.10	23.66	23.60	25.53	24.03	32.09	29.51	31.38	31.60
650.0	0.10	23.52	23.47	25.48	23.95	31.79	29.27	31.24	31.44
660.0	0.10	23.39	23.34	25.50	23.90	31.50	29.03	31.06	31.37
670.0	0.10	23.27	23.21	25.56	23.90	31.19	28.78	30.88	31.23
680.0	0.09	23.13	23.08	25.59	23.90	30.91	28.55	30.66	31.11
690.0	0.11	23.02	22.97	25.61	23.87	30.69	28.37	30.48	30.98
700.0	0.11	22.90	22.85	25.63	23.90	30.55	28.25	30.35	30.90