

Bi-Directional Coupler

SYBD-ED12832/7

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	38.83	38.83	35.61	34.60	41.63	42.50	39.62	44.75
250.0	0.01	36.93	36.92	34.59	33.43	39.83	39.87	37.66	41.09
300.0	0.01	35.36	35.35	34.57	33.16	38.30	38.05	35.84	38.62
350.0	0.02	34.03	34.03	33.40	32.06	36.67	36.30	34.28	36.20
400.0	0.03	32.90	32.89	32.29	30.98	34.84	34.73	32.64	34.25
405.0	0.03	32.79	32.78	32.20	30.88	34.71	34.63	32.53	34.09
410.0	0.03	32.69	32.68	32.08	30.86	34.52	34.48	32.37	33.92
415.0	0.03	32.59	32.58	32.02	30.59	34.35	34.36	32.25	33.74
420.0	0.03	32.49	32.47	31.95	30.53	34.19	34.20	32.10	33.55
425.0	0.03	32.39	32.37	32.03	30.49	33.99	34.02	31.94	33.32
430.0	0.02	32.28	32.26	32.19	30.48	33.82	33.85	31.80	33.12
435.0	0.02	32.18	32.17	31.96	30.31	33.66	33.70	31.64	32.94
440.0	0.02	32.09	32.07	31.92	30.27	33.50	33.55	31.50	32.82
445.0	0.03	31.99	31.97	31.84	30.20	33.38	33.41	31.36	32.58
450.0	0.03	31.89	31.88	31.77	30.18	33.31	33.32	31.24	32.42
455.0	0.03	31.80	31.78	31.71	30.03	33.22	33.24	31.12	32.29
460.0	0.03	31.71	31.69	31.56	29.92	33.16	33.13	31.00	32.10
465.0	0.03	31.62	31.60	31.59	30.00	33.09	33.03	30.88	31.92
470.0	0.03	31.53	31.51	31.50	29.87	32.99	32.91	30.74	31.73
475.0	0.03	31.44	31.42	31.41	29.90	32.89	32.79	30.62	31.54
480.0	0.03	31.35	31.33	31.54	29.76	32.80	32.67	30.49	31.33
485.0	0.03	31.26	31.25	31.39	29.68	32.71	32.55	30.37	31.14
490.0	0.03	31.18	31.16	31.40	29.64	32.59	32.44	30.22	30.98
495.0	0.03	31.09	31.07	31.35	29.54	32.52	32.32	30.10	30.83
500.0	0.03	31.01	30.98	31.31	29.42	32.42	32.22	29.98	30.69
505.0	0.03	30.92	30.90	31.32	29.34	32.32	32.12	29.88	30.56
510.0	0.04	30.84	30.82	31.15	29.26	32.19	32.00	29.76	30.43
515.0	0.04	30.76	30.73	31.21	29.17	32.06	31.90	29.62	30.29
520.0	0.04	30.67	30.65	31.07	29.13	31.89	31.74	29.49	30.15
525.0	0.04	30.60	30.57	31.07	29.01	31.72	31.62	29.35	30.02
530.0	0.04	30.52	30.49	31.00	29.03	31.56	31.47	29.21	29.93
535.0	0.04	30.44	30.41	31.01	28.97	31.39	31.38	29.08	29.72
540.0	0.04	30.36	30.33	31.00	28.94	31.23	31.18	28.94	29.66
545.0	0.04	30.28	30.25	30.94	28.84	31.08	31.06	28.81	29.46
550.0	0.04	30.21	30.17	31.00	28.83	30.95	30.95	28.70	29.34
555.0	0.04	30.14	30.09	31.07	28.83	30.85	30.87	28.60	29.21
560.0	0.04	30.07	30.01	31.16	28.90	30.71	30.78	28.47	29.10
565.0	0.05	29.99	29.92	31.17	28.84	30.58	30.68	28.37	28.97
570.0	0.05	29.91	29.84	31.04	28.71	30.47	30.59	28.25	28.82
575.0	0.05	29.83	29.75	30.90	28.61	30.37	30.49	28.14	28.67
580.0	0.05	29.75	29.67	30.65	28.30	30.26	30.41	28.03	28.54
585.0	0.04	29.66	29.58	30.32	28.06	30.15	30.33	27.92	28.41
590.0	0.04	29.58	29.50	30.06	27.79	30.08	30.25	27.80	28.29
600.0	0.04	29.43	29.35	29.50	27.13	29.96	30.13	27.64	28.08
610.0	0.04	29.28	29.23	28.92	26.70	29.88	29.97	27.46	27.91
620.0	0.04	29.14	29.10	28.67	26.47	29.72	29.81	27.26	27.69
630.0	0.04	29.00	28.98	28.46	26.25	29.56	29.51	27.06	27.47
640.0	0.04	28.87	28.85	28.30	25.97	29.36	29.25	26.86	27.25
650.0	0.05	28.74	28.73	28.16	25.80	29.18	29.04	26.69	27.08
660.0	0.05	28.61	28.60	28.00	25.70	28.96	28.85	26.52	26.91
670.0	0.05	28.49	28.48	27.82	25.50	28.73	28.62	26.31	26.68
680.0	0.04	28.35	28.35	27.59	25.30	28.48	28.40	26.09	26.44
690.0	0.05	28.24	28.24	27.52	25.21	28.28	28.22	25.90	26.21
700.0	0.06	28.12	28.12	27.40	25.03	28.16	28.12	25.74	26.04