

Bi-Directional Coupler

SYBD-13-63HP+

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
2700	0.19	15.71	15.72	28.33	31.11	38.29	36.15	36.76	40.44
2750	0.19	15.61	15.62	27.33	29.90	40.62	38.24	36.10	39.77
2800	0.19	15.50	15.52	26.09	28.49	40.64	37.67	35.80	38.20
2850	0.19	15.40	15.41	25.55	27.72	37.23	35.86	33.49	35.30
2900	0.20	15.31	15.32	24.51	26.34	33.89	33.46	31.93	33.54
2950	0.20	15.21	15.23	23.98	25.56	31.18	31.04	30.20	31.25
3000	0.22	15.13	15.14	23.07	24.62	29.14	29.11	28.54	29.55
3100	0.22	14.96	14.96	21.95	23.25	25.78	26.02	26.04	26.60
3200	0.25	14.80	14.80	21.13	22.08	23.52	23.65	24.08	24.47
3300	0.27	14.65	14.65	20.48	21.30	21.78	21.90	22.57	22.95
3400	0.30	14.51	14.50	20.06	20.72	20.56	20.64	21.58	22.01
3500	0.32	14.39	14.34	19.94	20.60	19.62	19.78	21.00	21.49
3600	0.34	14.24	14.23	19.47	20.12	19.10	19.21	20.70	21.14
3650	0.35	14.18	14.17	19.29	19.91	18.92	19.04	20.58	20.97
3725	0.36	14.08	14.06	19.18	19.89	18.79	19.01	20.67	20.97
3800	0.37	13.99	13.96	19.20	19.59	18.84	19.01	20.81	21.15
3900	0.37	13.84	13.82	18.97	19.16	19.14	19.23	21.25	21.40
3975	0.37	13.74	13.72	18.73	18.99	19.51	19.56	21.86	21.77
4000	0.37	13.71	13.69	18.77	18.83	19.74	19.74	22.01	21.99
4100	0.37	13.58	13.57	18.46	18.38	20.62	20.51	23.08	22.63
4200	0.37	13.46	13.46	18.21	18.11	21.72	21.63	24.22	23.37
4300	0.37	13.35	13.37	17.92	17.82	23.19	23.12	25.65	24.31
4400	0.36	13.26	13.28	17.81	17.71	25.50	25.36	27.33	25.71
4500	0.36	13.17	13.21	17.71	17.65	28.79	28.35	29.24	27.18
4600	0.36	13.10	13.14	17.66	17.69	34.43	33.07	31.31	28.80
4700	0.38	13.05	13.10	17.86	17.79	38.42	37.60	32.61	29.99
4800	0.39	13.01	13.07	18.02	17.77	32.29	32.29	32.66	30.82
4900	0.41	13.00	13.05	18.05	17.76	27.71	27.62	33.38	32.06
5000	0.42	12.99	13.03	18.31	17.90	24.90	24.71	32.83	31.87
5100	0.44	13.00	13.02	18.51	17.92	22.90	22.89	32.65	30.89
5200	0.46	13.01	13.03	18.67	18.02	21.30	21.25	31.55	28.57
5300	0.47	13.06	13.05	18.63	17.78	20.10	20.05	30.54	26.88
5400	0.49	13.09	13.06	18.76	17.67	19.49	19.26	28.75	25.78
5500	0.50	13.13	13.09	18.52	17.53	18.99	18.82	26.66	24.79
5600	0.50	13.17	13.12	18.47	17.54	18.55	18.41	25.31	23.86
5700	0.49	13.21	13.14	18.67	17.58	18.42	18.42	24.14	23.16
5800	0.50	13.25	13.18	19.03	17.83	18.71	18.59	23.22	22.49
5900	0.50	13.29	13.23	19.43	18.20	19.24	19.05	22.72	22.25
6000	0.49	13.31	13.26	19.59	18.69	19.93	19.69	22.38	22.35

REV. X1
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