

Bi-Directional Coupler

BDCN-14-342+

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
1700	0.38	14.00	14.00	17.63	17.66	26.54	26.78	33.60	31.87
1725	0.39	13.94	13.94	17.79	17.90	26.53	26.88	33.78	31.94
1750	0.39	13.88	13.88	18.01	18.08	26.58	26.95	34.01	32.08
1775	0.39	13.83	13.83	18.25	18.32	26.61	27.02	34.08	32.39
1800	0.40	13.78	13.78	18.44	18.60	26.65	27.23	34.38	32.41
1825	0.40	13.73	13.73	18.72	18.84	26.74	27.36	34.40	32.59
1850	0.40	13.69	13.69	18.93	19.17	26.82	27.49	34.84	32.87
1875	0.41	13.64	13.65	19.17	19.39	26.89	27.59	35.22	33.18
1900	0.41	13.60	13.61	19.49	19.75	26.88	27.77	35.45	33.45
1925	0.41	13.57	13.57	19.74	20.04	27.04	27.88	35.83	33.72
1950	0.41	13.54	13.54	19.97	20.34	27.04	28.11	36.20	34.04
1975	0.41	13.50	13.51	20.24	20.68	27.19	28.27	36.64	34.42
2000	0.41	13.47	13.48	20.52	21.00	27.29	28.36	36.92	34.74
2025	0.42	13.45	13.45	20.79	21.36	27.34	28.48	37.28	35.15
2050	0.42	13.42	13.43	21.13	21.73	27.43	28.71	37.86	35.53
2075	0.42	13.40	13.41	21.45	22.12	27.63	29.02	38.26	36.24
2100	0.42	13.39	13.39	21.69	22.57	27.77	29.27	38.97	36.97
2125	0.42	13.37	13.37	22.09	23.04	27.87	29.42	39.73	37.57
2150	0.42	13.36	13.36	22.35	23.45	27.89	29.53	40.15	38.29
2175	0.42	13.34	13.35	22.69	23.91	27.97	29.64	40.58	39.01
2200	0.42	13.34	13.34	23.03	24.43	28.09	29.90	41.07	40.17
2225	0.43	13.33	13.33	23.45	24.92	28.24	30.16	41.00	40.78
2250	0.43	13.33	13.33	23.80	25.49	28.28	30.32	41.37	42.09
2275	0.43	13.33	13.33	24.18	26.09	28.32	30.38	41.07	43.10
2300	0.43	13.33	13.33	24.56	26.84	28.40	30.64	41.25	45.03
2325	0.43	13.33	13.33	24.97	27.57	28.43	30.72	41.08	47.39
2350	0.43	13.34	13.34	25.43	28.26	28.44	30.65	40.42	49.59
2375	0.43	13.35	13.35	25.90	29.08	28.36	30.88	39.61	52.00
2400	0.43	13.37	13.36	26.32	30.12	28.52	31.14	39.09	52.64
2425	0.43	13.38	13.38	26.91	30.93	28.61	31.35	38.40	53.22
2450	0.43	13.40	13.39	27.39	32.07	28.66	31.31	38.01	51.06
2475	0.43	13.42	13.42	27.70	33.06	28.37	31.10	37.27	49.63
2500	0.43	13.44	13.43	28.23	34.61	28.29	31.07	37.09	47.71
2525	0.42	13.47	13.46	28.90	36.63	28.29	31.15	36.50	45.93
2550	0.43	13.50	13.49	29.40	38.26	28.23	31.15	35.99	44.58
2575	0.42	13.53	13.52	30.06	40.66	28.20	31.04	35.79	44.05
2600	0.42	13.57	13.56	30.57	43.83	27.95	30.99	35.45	43.09
2625	0.42	13.60	13.59	31.45	44.89	27.87	30.95	34.99	41.96
2650	0.42	13.64	13.63	32.00	43.25	27.90	30.90	34.79	41.43
2675	0.42	13.69	13.67	32.35	40.48	27.84	30.89	34.82	41.54
2700	0.42	13.73	13.72	32.39	38.83	27.68	30.63	34.72	41.76
2725	0.42	13.78	13.77	32.63	36.37	27.50	30.60	34.75	41.27
2750	0.42	13.84	13.82	32.59	34.46	27.36	30.31	34.70	41.43
2775	0.42	13.89	13.88	32.19	32.91	27.20	30.25	34.83	41.65
2800	0.42	13.95	13.93	31.62	31.38	27.02	29.96	35.10	42.09
2825	0.41	14.01	14.00	30.99	30.15	26.92	29.77	35.01	41.98
2850	0.41	14.08	14.06	30.40	28.90	26.81	29.69	35.29	41.69
2875	0.41	14.15	14.13	29.87	27.87	26.64	29.65	35.32	41.88
2900	0.41	14.23	14.20	29.03	26.92	26.45	29.37	35.60	42.52
2925	0.41	14.30	14.27	28.23	25.99	26.26	29.07	36.06	42.63
2950	0.41	14.38	14.35	27.40	25.22	26.16	28.95	36.07	42.38
2975	0.40	14.46	14.43	26.70	24.56	26.03	28.79	36.15	42.17
3000	0.40	14.55	14.52	25.81	23.80	25.91	28.58	36.73	42.96
3025	0.40	14.65	14.61	25.06	23.09	25.69	28.30	37.12	43.15
3050	0.40	14.74	14.70	24.33	22.44	25.51	28.12	37.75	43.27
3075	0.40	14.84	14.80	23.67	21.71	25.42	27.95	38.34	43.36
3100	0.40	14.95	14.90	22.94	21.14	25.18	27.72	38.87	43.73
3150	0.39	15.17	15.11	21.56	19.90	24.68	27.04	40.01	42.56
3200	0.39	15.41	15.34	20.28	18.77	24.48	26.74	41.39	41.36
3250	0.39	15.67	15.59	19.08	17.70	24.06	26.22	41.59	39.41
3300	0.39	15.95	15.86	17.87	16.60	23.74	25.74	41.10	37.88
3350	0.38	16.25	16.15	16.74	15.61	23.32	25.33	38.92	35.73
3400	0.38	16.57	16.45	15.62	14.57	23.01	24.82	36.51	33.99

