

Bi-Directional Coupler

BDCH-25-272+

Typical Performance Data

Test Conditions: Input Power = +5 dbm, Temperature = -55°C, Configuration A.

Freq. (MHz)	I. Loss (dB) In - Out	Coupling (dB)		Directivity (dB) In - Fwd	Return Loss (dB)			
		In - Fwd	Out - Rev		In	Out	Fwd	Rev
50	-0.03	-47.19	-47.31	29.22	-47.38	-50.92	-49.47	-51.01
100	-0.05	-41.31	-41.40	26.89	-37.25	-38.77	-39.12	-38.87
200	-0.06	-35.44	-35.52	24.15	-26.77	-27.10	-25.47	-25.32
300	-0.07	-32.14	-32.21	24.33	-24.80	-25.19	-25.00	-24.71
400	-0.08	-29.93	-29.98	25.41	-25.90	-26.22	-25.91	-25.97
500	-0.08	-28.37	-28.40	26.18	-27.18	-27.66	-26.81	-26.77
600	-0.08	-27.23	-27.26	28.70	-29.72	-30.39	-29.49	-29.20
700	-0.09	-26.42	-26.44	30.44	-30.56	-30.96	-30.83	-30.42
800	-0.10	-25.85	-25.87	30.65	-31.93	-31.98	-32.26	-31.37
900	-0.11	-25.54	-25.55	30.80	-36.44	-35.08	-32.86	-32.30
1000	-0.12	-25.39	-25.41	29.74	-43.19	-39.37	-37.83	-36.08
1100	-0.13	-25.39	-25.39	27.77	-36.48	-38.66	-46.25	-40.00
1200	-0.15	-25.52	-25.52	26.63	-30.94	-32.35	-39.17	-35.50
1300	-0.16	-25.68	-25.71	25.87	-28.64	-29.42	-30.64	-29.64
1350	-0.17	-25.83	-25.85	26.80	-28.18	-28.74	-28.29	-27.67
1400	-0.17	-25.98	-25.94	28.40	-27.94	-28.51	-28.08	-27.48
1450	-0.17	-26.08	-26.04	28.36	-27.85	-28.30	-27.67	-27.09
1500	-0.17	-26.19	-26.15	29.12	-28.07	-28.65	-27.26	-26.94
1550	-0.18	-26.20	-26.33	28.96	-28.25	-28.74	-27.12	-26.52
1600	-0.18	-26.36	-26.30	34.03	-28.84	-29.26	-26.56	-26.24
1650	-0.18	-26.41	-26.33	35.15	-29.08	-29.43	-26.45	-26.71
1700	-0.18	-26.42	-26.30	37.79	-29.88	-30.00	-26.96	-27.33
1750	-0.18	-26.40	-26.29	34.99	-30.58	-30.73	-27.99	-28.97
1800	-0.18	-26.33	-26.28	38.70	-31.62	-31.76	-28.85	-29.79
1850	-0.19	-26.26	-26.22	35.70	-32.52	-32.84	-29.06	-30.40
1900	-0.18	-26.18	-26.06	37.74	-33.10	-33.91	-29.45	-29.86
1950	-0.19	-26.07	-25.94	36.73	-33.62	-35.36	-31.18	-30.60
2000	-0.19	-25.99	-25.83	33.84	-34.17	-36.50	-32.54	-31.63
2100	-0.19	-25.73	-25.57	32.96	-36.25	-41.94	-45.03	-34.84
2200	-0.20	-25.49	-25.37	31.55	-36.91	-50.26	-51.35	-38.29
2300	-0.21	-25.37	-25.23	30.86	-37.28	-42.98	-44.94	-37.51
2400	-0.22	-25.36	-25.23	29.70	-38.02	-37.22	-41.20	-35.25
2500	-0.23	-25.46	-25.40	28.07	-38.66	-34.57	-42.67	-42.05
2600	-0.24	-25.77	-25.70	26.36	-37.78	-33.28	-46.82	-37.87
2700	-0.25	-26.20	-26.16	23.78	-35.66	-31.80	-35.57	-31.92
2800	-0.26	-26.84	-26.89	20.79	-35.02	-31.27	-34.72	-29.66
2900	-0.28	-27.66	-27.66	20.76	-36.65	-32.21	-34.73	-29.31
3000	-0.28	-28.98	-28.96	19.32	-40.76	-35.15	-36.56	-32.48
3100	-0.28	-30.66	-30.65	18.26	-67.50	-42.36	-31.53	-32.59
3200	-0.29	-33.13	-33.16	13.73	-37.50	-37.67	-28.45	-29.18
3300	-0.29	-36.02	-36.02	13.44	-30.17	-29.85	-25.86	-26.56

Bi-Directional Coupler

BDCH-25-272+

Typical Performance Data

Test Conditions: Input Power = +5 dbm, Temperature = -55°C, Configuration B.

Freq. (MHz)	I. Loss (dB) In - Out	Coupling (dB)		Directivity (dB) In - Fwd	Return Loss (dB)			
		In - Fwd	Out - Rev		In	Out	Fwd	Rev
50	-0.03	-47.31	-47.19	28.06	-50.92	-47.38	-51.01	-49.47
100	-0.05	-41.40	-41.31	26.32	-38.77	-37.25	-38.87	-39.12
200	-0.06	-35.52	-35.44	23.99	-27.10	-26.77	-25.32	-25.47
300	-0.07	-32.21	-32.14	24.43	-25.19	-24.80	-24.71	-25.00
400	-0.08	-29.98	-29.93	25.50	-26.22	-25.90	-25.97	-25.91
500	-0.08	-28.40	-28.37	26.50	-27.66	-27.18	-26.77	-26.81
600	-0.08	-27.26	-27.23	28.80	-30.39	-29.72	-29.20	-29.49
700	-0.08	-26.44	-26.42	30.02	-30.96	-30.56	-30.42	-30.83
800	-0.10	-25.87	-25.85	29.72	-31.98	-31.93	-31.37	-32.26
900	-0.11	-25.55	-25.54	30.01	-35.08	-36.44	-32.30	-32.86
1000	-0.12	-25.41	-25.39	29.20	-39.37	-43.19	-36.08	-37.83
1100	-0.13	-25.39	-25.39	28.15	-38.66	-36.48	-40.00	-46.25
1200	-0.15	-25.52	-25.52	28.38	-32.35	-30.94	-35.50	-39.17
1300	-0.16	-25.71	-25.68	26.95	-29.42	-28.64	-29.64	-30.64
1350	-0.17	-25.85	-25.83	28.34	-28.74	-28.18	-27.67	-28.29
1400	-0.17	-25.94	-25.98	29.31	-28.51	-27.94	-27.48	-28.08
1450	-0.18	-26.04	-26.08	29.48	-28.30	-27.85	-27.09	-27.67
1500	-0.18	-26.15	-26.19	30.11	-28.65	-28.07	-26.94	-27.26
1550	-0.19	-26.33	-26.20	31.51	-28.74	-28.25	-26.52	-27.12
1600	-0.18	-26.30	-26.36	33.48	-29.26	-28.84	-26.24	-26.56
1650	-0.19	-26.33	-26.41	32.97	-29.43	-29.08	-26.71	-26.45
1700	-0.18	-26.30	-26.42	32.33	-30.00	-29.88	-27.33	-26.96
1750	-0.19	-26.29	-26.40	32.04	-30.73	-30.58	-28.97	-27.99
1800	-0.19	-26.28	-26.33	33.09	-31.76	-31.62	-29.79	-28.85
1850	-0.19	-26.22	-26.26	32.83	-32.84	-32.52	-30.40	-29.06
1900	-0.18	-26.06	-26.18	31.65	-33.91	-33.10	-29.86	-29.45
1950	-0.18	-25.94	-26.07	30.43	-35.36	-33.62	-30.60	-31.18
2000	-0.19	-25.83	-25.99	29.08	-36.50	-34.17	-31.63	-32.54
2100	-0.19	-25.57	-25.73	30.61	-41.94	-36.25	-34.84	-45.03
2200	-0.19	-25.37	-25.49	31.39	-50.26	-36.91	-38.29	-51.35
2300	-0.20	-25.23	-25.37	28.89	-42.98	-37.28	-37.51	-44.94
2400	-0.21	-25.23	-25.36	27.50	-37.22	-38.02	-35.25	-41.20
2500	-0.22	-25.40	-25.46	27.41	-34.57	-38.66	-42.05	-42.67
2600	-0.24	-25.70	-25.77	27.20	-33.28	-37.78	-37.87	-46.82
2700	-0.26	-26.16	-26.20	23.45	-31.80	-35.66	-31.92	-35.57
2800	-0.27	-26.89	-26.84	21.87	-31.27	-35.02	-29.66	-34.72
2900	-0.28	-27.66	-27.66	22.58	-32.21	-36.65	-29.31	-34.73
3000	-0.28	-28.96	-28.98	20.71	-35.15	-40.76	-32.48	-36.56
3100	-0.28	-30.65	-30.66	19.79	-42.36	-67.50	-32.59	-31.53
3200	-0.30	-33.16	-33.13	15.57	-37.67	-37.50	-29.18	-28.45
3300	-0.30	-36.02	-36.02	18.43	-29.85	-30.17	-26.56	-25.86

Bi-Directional Coupler

BDCH-25-272+

Typical Performance Data

Test Conditions: Input Power = +5 dbm, Temperature = -55°C, Configuration C.

Freq. (MHz)	I. Loss (dB) In - Out	Coupling (dB)		Directivity (dB) In - Fwd	Return Loss (dB)			
		In - Fwd	Out - Rev		In	Out	Fwd	Rev
50	-0.13	-47.32	-47.21	28.89	-51.01	-49.47	-50.92	-47.38
100	-0.08	-41.40	-41.33	26.71	-38.87	-39.12	-38.77	-37.25
200	-0.03	-35.51	-35.46	23.94	-25.32	-25.47	-27.10	-26.77
300	-0.02	-32.20	-32.17	24.26	-24.71	-25.00	-25.19	-24.80
400	-0.01	-29.98	-29.96	25.51	-25.97	-25.91	-26.22	-25.90
500	0.00	-28.40	-28.38	26.37	-26.77	-26.81	-27.66	-27.18
600	0.00	-27.26	-27.24	28.92	-29.20	-29.49	-30.39	-29.72
700	-0.01	-26.44	-26.43	30.70	-30.42	-30.83	-30.96	-30.56
800	-0.02	-25.87	-25.87	30.83	-31.37	-32.26	-31.98	-31.93
900	-0.04	-25.55	-25.55	30.70	-32.30	-32.86	-35.08	-36.44
1000	-0.05	-25.40	-25.41	29.52	-36.08	-37.83	-39.37	-43.19
1100	-0.06	-25.38	-25.40	27.47	-40.00	-46.25	-38.66	-36.48
1200	-0.07	-25.51	-25.54	26.46	-35.50	-39.17	-32.35	-30.94
1300	-0.09	-25.70	-25.70	25.61	-29.64	-30.64	-29.42	-28.64
1350	-0.09	-25.85	-25.85	26.62	-27.67	-28.29	-28.74	-28.18
1400	-0.09	-25.94	-26.00	28.23	-27.48	-28.08	-28.51	-27.94
1450	-0.09	-26.04	-26.11	28.26	-27.09	-27.67	-28.30	-27.85
1500	-0.10	-26.14	-26.21	29.07	-26.94	-27.26	-28.65	-28.07
1550	-0.11	-26.33	-26.23	28.86	-26.52	-27.12	-28.74	-28.25
1600	-0.10	-26.29	-26.38	34.04	-26.24	-26.56	-29.26	-28.84
1650	-0.11	-26.33	-26.44	35.31	-26.71	-26.45	-29.43	-29.08
1700	-0.10	-26.29	-26.44	37.76	-27.33	-26.96	-30.00	-29.88
1750	-0.10	-26.29	-26.42	35.19	-28.97	-27.99	-30.73	-30.58
1800	-0.11	-26.27	-26.35	38.66	-29.79	-28.85	-31.76	-31.62
1850	-0.11	-26.22	-26.28	35.51	-30.40	-29.06	-32.84	-32.52
1900	-0.11	-26.06	-26.20	37.67	-29.86	-29.45	-33.91	-33.10
1950	-0.11	-25.95	-26.09	36.61	-30.60	-31.18	-35.36	-33.62
2000	-0.12	-25.83	-26.00	33.80	-31.63	-32.54	-36.50	-34.17
2100	-0.12	-25.58	-25.75	32.93	-34.84	-45.03	-41.94	-36.25
2200	-0.13	-25.38	-25.50	31.38	-38.29	-51.35	-50.26	-36.91
2300	-0.13	-25.24	-25.37	30.58	-37.51	-44.94	-42.98	-37.28
2400	-0.14	-25.24	-25.37	29.51	-35.25	-41.20	-37.22	-38.02
2500	-0.15	-25.40	-25.47	27.77	-42.05	-42.67	-34.57	-38.66
2600	-0.16	-25.70	-25.79	26.34	-37.87	-46.82	-33.28	-37.78
2700	-0.17	-26.16	-26.21	23.57	-31.92	-35.57	-31.80	-35.66
2800	-0.19	-26.89	-26.85	20.66	-29.66	-34.72	-31.27	-35.02
2900	-0.19	-27.66	-27.68	20.89	-29.31	-34.73	-32.21	-36.65
3000	-0.20	-28.96	-29.00	19.56	-32.48	-36.56	-35.15	-40.76
3100	-0.19	-30.65	-30.68	18.64	-32.59	-31.53	-42.36	-67.50
3200	-0.21	-33.17	-33.12	13.92	-29.18	-28.45	-37.67	-37.50
3300	-0.22	-36.04	-36.03	13.57	-26.56	-25.86	-29.85	-30.17

Bi-Directional Coupler

BDCH-25-272+

Typical Performance Data

Test Conditions: Input Power = +5 dbm, Temperature = -55°C, Configuration D.

Freq. (MHz)	I. Loss (dB) In - Out	Coupling (dB)		Directivity (dB) In - Fwd	Return Loss (dB)			
		In - Fwd	Out - Rev		In	Out	Fwd	Rev
50	-0.11	-47.21	-47.32	28.41	-49.47	-51.01	-47.38	-50.92
100	-0.07	-41.33	-41.40	26.45	-39.12	-38.87	-37.25	-38.77
200	-0.02	-35.46	-35.51	24.07	-25.47	-25.32	-26.77	-27.10
300	0.00	-32.17	-32.20	24.79	-25.00	-24.71	-24.80	-25.19
400	0.00	-29.96	-29.98	25.54	-25.91	-25.97	-25.90	-26.22
500	-0.01	-28.38	-28.40	26.38	-26.81	-26.77	-27.18	-27.66
600	-0.01	-27.24	-27.26	29.09	-29.49	-29.20	-29.72	-30.39
700	-0.02	-26.43	-26.44	29.59	-30.83	-30.42	-30.56	-30.96
800	-0.03	-25.87	-25.87	29.96	-32.26	-31.37	-31.93	-31.98
900	-0.05	-25.55	-25.55	29.52	-32.86	-32.30	-36.44	-35.08
1000	-0.06	-25.41	-25.40	28.87	-37.83	-36.08	-43.19	-39.37
1100	-0.07	-25.40	-25.38	28.53	-46.25	-40.00	-36.48	-38.66
1200	-0.09	-25.54	-25.51	28.40	-39.17	-35.50	-30.94	-32.35
1300	-0.10	-25.70	-25.70	27.25	-30.64	-29.64	-28.64	-29.42
1350	-0.11	-25.85	-25.85	28.30	-28.29	-27.67	-28.18	-28.74
1400	-0.11	-26.00	-25.94	29.44	-28.08	-27.48	-27.94	-28.51
1450	-0.11	-26.11	-26.04	29.85	-27.67	-27.09	-27.85	-28.30
1500	-0.12	-26.21	-26.14	30.29	-27.26	-26.94	-28.07	-28.65
1550	-0.13	-26.23	-26.33	31.91	-27.12	-26.52	-28.25	-28.74
1600	-0.12	-26.38	-26.29	33.69	-26.56	-26.24	-28.84	-29.26
1650	-0.12	-26.44	-26.33	32.99	-26.45	-26.71	-29.08	-29.43
1700	-0.12	-26.44	-26.29	32.18	-26.96	-27.33	-29.88	-30.00
1750	-0.11	-26.42	-26.29	32.03	-27.99	-28.97	-30.58	-30.73
1800	-0.12	-26.35	-26.27	32.75	-28.85	-29.79	-31.62	-31.76
1850	-0.12	-26.28	-26.22	32.51	-29.06	-30.40	-32.52	-32.84
1900	-0.12	-26.20	-26.06	31.48	-29.45	-29.86	-33.10	-33.91
1950	-0.12	-26.09	-25.95	30.03	-31.18	-30.60	-33.62	-35.36
2000	-0.13	-26.00	-25.83	28.56	-32.54	-31.63	-34.17	-36.50
2100	-0.13	-25.75	-25.58	29.98	-45.03	-34.84	-36.25	-41.94
2200	-0.13	-25.50	-25.38	30.92	-51.35	-38.29	-36.91	-50.26
2300	-0.13	-25.37	-25.24	28.34	-44.94	-37.51	-37.28	-42.98
2400	-0.15	-25.37	-25.24	28.03	-41.20	-35.25	-38.02	-37.22
2500	-0.16	-25.47	-25.40	27.38	-42.67	-42.05	-38.66	-34.57
2600	-0.18	-25.79	-25.70	28.18	-46.82	-37.87	-37.78	-33.28
2700	-0.18	-26.21	-26.16	23.62	-35.57	-31.92	-35.66	-31.80
2800	-0.20	-26.85	-26.89	22.07	-34.72	-29.66	-35.02	-31.27
2900	-0.22	-27.68	-27.66	23.21	-34.73	-29.31	-36.65	-32.21
3000	-0.22	-29.00	-28.96	20.95	-36.56	-32.48	-40.76	-35.15
3100	-0.22	-30.68	-30.65	20.28	-31.53	-32.59	-67.50	-42.36
3200	-0.23	-33.12	-33.17	15.45	-28.45	-29.18	-37.50	-37.67
3300	-0.23	-36.03	-36.04	18.12	-25.86	-26.56	-30.17	-29.85

Bi-Directional Coupler

BDCH-25-272+

Typical Performance Data

Test Conditions: Input Power = +5 dbm, Temperature = +25°C, Configuration A.

Freq. (MHz)	I. Loss (dB) In - Out	Coupling (dB)		Directivity (dB) In - Fwd	Return Loss (dB)			
		In - Fwd	Out - Rev		In	Out	Fwd	Rev
50	-0.05	-47.21	-47.27	29.50	-39.48	-40.12	-40.86	-39.78
100	-0.07	-41.31	-41.35	29.02	-34.45	-35.21	-35.48	-35.16
200	-0.07	-35.41	-35.44	27.69	-30.05	-30.47	-30.17	-29.77
300	-0.08	-32.11	-32.13	26.51	-27.72	-28.26	-28.02	-27.53
400	-0.08	-29.91	-29.91	25.92	-26.60	-27.00	-26.55	-26.42
500	-0.08	-28.35	-28.33	25.87	-26.25	-26.66	-26.30	-26.06
600	-0.09	-27.21	-27.19	26.75	-26.79	-27.16	-26.95	-26.58
700	-0.09	-26.40	-26.37	28.09	-28.11	-28.37	-27.84	-27.64
800	-0.10	-25.86	-25.81	29.44	-30.36	-30.88	-30.32	-29.79
900	-0.11	-25.52	-25.47	30.01	-34.53	-35.21	-33.23	-32.71
1000	-0.12	-25.38	-25.31	29.49	-39.36	-42.56	-39.85	-37.09
1100	-0.13	-25.38	-25.31	28.10	-37.20	-39.99	-48.65	-38.66
1200	-0.14	-25.51	-25.43	27.20	-33.35	-35.16	-38.38	-34.47
1300	-0.15	-25.72	-25.63	27.01	-31.09	-32.43	-32.85	-31.63
1350	-0.15	-25.84	-25.74	27.03	-30.34	-31.40	-31.40	-30.48
1400	-0.16	-25.96	-25.86	27.45	-29.81	-30.68	-31.02	-29.99
1450	-0.16	-26.09	-25.97	27.73	-29.57	-30.18	-30.29	-29.54
1500	-0.16	-26.20	-26.08	28.38	-29.35	-29.79	-29.30	-28.93
1550	-0.17	-26.30	-26.15	29.27	-29.38	-29.50	-29.46	-28.59
1600	-0.16	-26.37	-26.22	30.52	-29.58	-29.42	-29.15	-28.77
1650	-0.17	-26.42	-26.25	31.18	-29.89	-29.64	-28.84	-29.04
1700	-0.17	-26.44	-26.25	31.97	-30.28	-30.00	-29.25	-29.35
1750	-0.17	-26.42	-26.22	32.79	-30.85	-30.77	-29.62	-29.94
1800	-0.17	-26.38	-26.16	33.08	-31.34	-31.41	-30.19	-30.37
1850	-0.17	-26.31	-26.08	34.66	-32.12	-32.11	-30.31	-30.85
1900	-0.17	-26.21	-25.98	35.18	-32.78	-32.88	-31.14	-30.71
1950	-0.17	-26.10	-25.85	35.61	-33.48	-33.85	-32.32	-31.80
2000	-0.17	-25.99	-25.73	35.13	-33.95	-34.41	-31.82	-32.31
2100	-0.18	-25.75	-25.48	33.52	-34.75	-35.52	-33.58	-33.96
2200	-0.18	-25.54	-25.28	31.27	-34.89	-35.23	-34.34	-36.22
2300	-0.19	-25.39	-25.14	28.94	-35.07	-34.43	-35.84	-37.28
2400	-0.20	-25.35	-25.13	26.61	-35.11	-32.61	-35.48	-38.60
2500	-0.21	-25.46	-25.26	24.91	-34.69	-31.48	-36.32	-36.60
2600	-0.22	-25.73	-25.56	23.22	-33.95	-30.97	-38.37	-35.81
2700	-0.24	-26.18	-26.04	21.68	-33.07	-30.57	-37.65	-35.31
2800	-0.24	-26.86	-26.73	20.35	-32.92	-31.01	-42.39	-35.44
2900	-0.25	-27.79	-27.67	18.95	-34.98	-32.47	-43.30	-35.79
3000	-0.26	-29.04	-28.91	17.92	-41.14	-36.34	-42.27	-37.42
3100	-0.27	-30.68	-30.59	16.50	-43.00	-40.34	-33.28	-34.87
3200	-0.27	-32.99	-32.87	14.44	-32.93	-32.93	-29.65	-30.56
3300	-0.28	-36.32	-36.18	11.30	-28.10	-27.87	-26.13	-26.85

Bi-Directional Coupler

BDCH-25-272+

Typical Performance Data

Test Conditions: Input Power = +5 dbm, Temperature = +25°C, Configuration B.

Freq. (MHz)	I. Loss (dB) In - Out	Coupling (dB)		Directivity (dB) In - Fwd	Return Loss (dB)			
		In - Fwd	Out - Rev		In	Out	Fwd	Rev
50	-0.06	-47.27	-47.21	28.90	-40.12	-39.48	-39.78	-40.86
100	-0.07	-41.35	-41.31	28.78	-35.21	-34.45	-35.16	-35.48
200	-0.07	-35.44	-35.41	28.03	-30.47	-30.05	-29.77	-30.17
300	-0.08	-32.13	-32.11	27.30	-28.26	-27.72	-27.53	-28.02
400	-0.08	-29.91	-29.91	26.62	-27.00	-26.60	-26.42	-26.55
500	-0.08	-28.33	-28.35	26.61	-26.66	-26.25	-26.06	-26.30
600	-0.08	-27.19	-27.21	27.08	-27.16	-26.79	-26.58	-26.95
700	-0.09	-26.37	-26.40	27.56	-28.37	-28.11	-27.64	-27.84
800	-0.09	-25.81	-25.86	28.15	-30.88	-30.36	-29.79	-30.32
900	-0.10	-25.47	-25.52	28.32	-35.21	-34.53	-32.71	-33.23
1000	-0.11	-25.31	-25.38	28.18	-42.56	-39.36	-37.09	-39.85
1100	-0.12	-25.31	-25.38	28.02	-39.99	-37.20	-38.66	-48.65
1200	-0.14	-25.43	-25.51	27.77	-35.16	-33.35	-34.47	-38.38
1300	-0.15	-25.63	-25.72	27.62	-32.43	-31.09	-31.63	-32.85
1350	-0.15	-25.74	-25.84	27.79	-31.40	-30.34	-30.48	-31.40
1400	-0.16	-25.86	-25.96	27.97	-30.68	-29.81	-29.99	-31.02
1450	-0.16	-25.97	-26.09	28.56	-30.18	-29.57	-29.54	-30.29
1500	-0.16	-26.08	-26.20	29.27	-29.79	-29.35	-28.93	-29.30
1550	-0.17	-26.15	-26.30	30.08	-29.50	-29.38	-28.59	-29.46
1600	-0.16	-26.22	-26.37	31.17	-29.42	-29.58	-28.77	-29.15
1650	-0.17	-26.25	-26.42	31.88	-29.64	-29.89	-29.04	-28.84
1700	-0.17	-26.25	-26.44	32.81	-30.00	-30.28	-29.35	-29.25
1750	-0.17	-26.22	-26.42	32.90	-30.77	-30.85	-29.94	-29.62
1800	-0.17	-26.16	-26.38	33.10	-31.41	-31.34	-30.37	-30.19
1850	-0.17	-26.08	-26.31	33.49	-32.11	-32.12	-30.85	-30.31
1900	-0.17	-25.98	-26.21	32.91	-32.88	-32.78	-30.71	-31.14
1950	-0.17	-25.85	-26.10	33.00	-33.85	-33.48	-31.80	-32.32
2000	-0.17	-25.73	-25.99	32.24	-34.41	-33.95	-32.31	-31.82
2100	-0.17	-25.48	-25.75	31.64	-35.52	-34.75	-33.96	-33.58
2200	-0.17	-25.28	-25.54	30.37	-35.23	-34.89	-36.22	-34.34
2300	-0.18	-25.14	-25.39	27.86	-34.43	-35.07	-37.28	-35.84
2400	-0.19	-25.13	-25.35	25.51	-32.61	-35.11	-38.60	-35.48
2500	-0.20	-25.26	-25.46	23.97	-31.48	-34.69	-36.60	-36.32
2600	-0.22	-25.56	-25.73	22.73	-30.97	-33.95	-35.81	-38.37
2700	-0.23	-26.04	-26.18	21.59	-30.57	-33.07	-35.31	-37.65
2800	-0.24	-26.73	-26.86	20.79	-31.01	-32.92	-35.44	-42.39
2900	-0.25	-27.67	-27.79	19.84	-32.47	-34.98	-35.79	-43.30
3000	-0.26	-28.91	-29.04	18.92	-36.34	-41.14	-37.42	-42.27
3100	-0.26	-30.59	-30.68	18.09	-40.34	-43.00	-34.87	-33.28
3200	-0.27	-32.87	-32.99	16.99	-32.93	-32.93	-30.56	-29.65
3300	-0.27	-36.18	-36.32	14.95	-27.87	-28.10	-26.85	-26.13

Bi-Directional Coupler

BDCH-25-272+

Typical Performance Data

Test Conditions: Input Power = +5 dbm, Temperature = +25°C, Configuration C.

Freq. (MHz)	I. Loss (dB) In - Out	Coupling (dB)		Directivity (dB) In - Fwd	Return Loss (dB)			
		In - Fwd	Out - Rev		In	Out	Fwd	Rev
50	0.00	-47.26	-47.23	29.35	-39.78	-40.86	-40.12	-39.48
100	-0.02	-41.35	-41.33	29.08	-35.16	-35.48	-35.21	-34.45
200	-0.03	-35.44	-35.43	27.49	-29.77	-30.17	-30.47	-30.05
300	-0.04	-32.12	-32.13	26.43	-27.53	-28.02	-28.26	-27.72
400	-0.05	-29.91	-29.92	26.06	-26.42	-26.55	-27.00	-26.60
500	-0.06	-28.33	-28.35	26.06	-26.06	-26.30	-26.66	-26.25
600	-0.06	-27.19	-27.22	27.00	-26.58	-26.95	-27.16	-26.79
700	-0.07	-26.37	-26.41	28.28	-27.64	-27.84	-28.37	-28.11
800	-0.07	-25.81	-25.86	29.57	-29.79	-30.32	-30.88	-30.36
900	-0.09	-25.47	-25.53	29.99	-32.71	-33.23	-35.21	-34.53
1000	-0.09	-25.31	-25.38	29.26	-37.09	-39.85	-42.56	-39.36
1100	-0.11	-25.31	-25.39	27.83	-38.66	-48.65	-39.99	-37.20
1200	-0.12	-25.43	-25.52	27.09	-34.47	-38.38	-35.16	-33.35
1300	-0.13	-25.62	-25.73	26.84	-31.63	-32.85	-32.43	-31.09
1350	-0.13	-25.73	-25.85	26.93	-30.48	-31.40	-31.40	-30.34
1400	-0.14	-25.86	-25.98	27.33	-29.99	-31.02	-30.68	-29.81
1450	-0.14	-25.97	-26.10	27.69	-29.54	-30.29	-30.18	-29.57
1500	-0.14	-26.07	-26.21	28.44	-28.93	-29.30	-29.79	-29.35
1550	-0.15	-26.15	-26.32	29.40	-28.59	-29.46	-29.50	-29.38
1600	-0.15	-26.21	-26.39	30.57	-28.77	-29.15	-29.42	-29.58
1650	-0.15	-26.25	-26.44	31.32	-29.04	-28.84	-29.64	-29.89
1700	-0.15	-26.24	-26.45	32.06	-29.35	-29.25	-30.00	-30.28
1750	-0.15	-26.23	-26.44	33.14	-29.94	-29.62	-30.77	-30.85
1800	-0.16	-26.16	-26.40	33.25	-30.37	-30.19	-31.41	-31.34
1850	-0.16	-26.09	-26.33	34.65	-30.85	-30.31	-32.11	-32.12
1900	-0.16	-25.98	-26.23	35.26	-30.71	-31.14	-32.88	-32.78
1950	-0.16	-25.86	-26.12	35.65	-31.80	-32.32	-33.85	-33.48
2000	-0.17	-25.74	-26.00	35.17	-32.31	-31.82	-34.41	-33.95
2100	-0.17	-25.50	-25.76	33.66	-33.96	-33.58	-35.52	-34.75
2200	-0.18	-25.29	-25.54	31.23	-36.22	-34.34	-35.23	-34.89
2300	-0.18	-25.15	-25.39	28.85	-37.28	-35.84	-34.43	-35.07
2400	-0.19	-25.13	-25.35	26.63	-38.60	-35.48	-32.61	-35.11
2500	-0.20	-25.26	-25.46	24.91	-36.60	-36.32	-31.48	-34.69
2600	-0.21	-25.56	-25.73	23.32	-35.81	-38.37	-30.97	-33.95
2700	-0.23	-26.04	-26.18	21.78	-35.31	-37.65	-30.57	-33.07
2800	-0.24	-26.73	-26.86	20.50	-35.44	-42.39	-31.01	-32.92
2900	-0.25	-27.67	-27.79	19.23	-35.79	-43.30	-32.47	-34.98
3000	-0.26	-28.92	-29.04	18.30	-37.42	-42.27	-36.34	-41.14
3100	-0.26	-30.59	-30.67	16.92	-34.87	-33.28	-40.34	-43.00
3200	-0.28	-32.88	-32.97	14.73	-30.56	-29.65	-32.93	-32.93
3300	-0.29	-36.20	-36.30	11.50	-26.85	-26.13	-27.87	-28.10

Bi-Directional Coupler

BDCH-25-272+

Typical Performance Data

Test Conditions: Input Power = +5 dbm, Temperature = +25°C, Configuration D.

Freq. (MHz)	I. Loss (dB) In - Out	Coupling (dB)		Directivity (dB) In - Fwd	Return Loss (dB)			
		In - Fwd	Out - Rev		In	Out	Fwd	Rev
50	0.00	-47.23	-47.26	29.05	-40.86	-39.78	-39.48	-40.12
100	-0.02	-41.33	-41.35	29.05	-35.48	-35.16	-34.45	-35.21
200	-0.03	-35.43	-35.44	28.09	-30.17	-29.77	-30.05	-30.47
300	-0.04	-32.13	-32.12	27.75	-28.02	-27.53	-27.72	-28.26
400	-0.05	-29.92	-29.91	26.64	-26.55	-26.42	-26.60	-27.00
500	-0.05	-28.35	-28.33	26.51	-26.30	-26.06	-26.25	-26.66
600	-0.06	-27.22	-27.19	27.23	-26.95	-26.58	-26.79	-27.16
700	-0.07	-26.41	-26.37	27.17	-27.84	-27.64	-28.11	-28.37
800	-0.07	-25.86	-25.81	28.27	-30.32	-29.79	-30.36	-30.88
900	-0.09	-25.53	-25.47	27.93	-33.23	-32.71	-34.53	-35.21
1000	-0.10	-25.38	-25.31	27.84	-39.85	-37.09	-39.36	-42.56
1100	-0.11	-25.39	-25.31	28.44	-48.65	-38.66	-37.20	-39.99
1200	-0.13	-25.52	-25.43	27.72	-38.38	-34.47	-33.35	-35.16
1300	-0.14	-25.73	-25.62	27.80	-32.85	-31.63	-31.09	-32.43
1350	-0.14	-25.85	-25.73	27.64	-31.40	-30.48	-30.34	-31.40
1400	-0.15	-25.98	-25.86	28.03	-31.02	-29.99	-29.81	-30.68
1450	-0.15	-26.10	-25.97	28.86	-30.29	-29.54	-29.57	-30.18
1500	-0.16	-26.21	-26.07	29.33	-29.30	-28.93	-29.35	-29.79
1550	-0.16	-26.32	-26.15	30.14	-29.46	-28.59	-29.38	-29.50
1600	-0.16	-26.39	-26.21	31.32	-29.15	-28.77	-29.58	-29.42
1650	-0.16	-26.44	-26.25	31.75	-28.84	-29.04	-29.89	-29.64
1700	-0.16	-26.45	-26.24	32.53	-29.25	-29.35	-30.28	-30.00
1750	-0.16	-26.44	-26.23	32.77	-29.62	-29.94	-30.85	-30.77
1800	-0.16	-26.40	-26.16	32.60	-30.19	-30.37	-31.34	-31.41
1850	-0.16	-26.33	-26.09	33.07	-30.31	-30.85	-32.12	-32.11
1900	-0.17	-26.23	-25.98	32.50	-31.14	-30.71	-32.78	-32.88
1950	-0.16	-26.12	-25.86	32.32	-32.32	-31.80	-33.48	-33.85
2000	-0.17	-26.00	-25.74	31.52	-31.82	-32.31	-33.95	-34.41
2100	-0.17	-25.76	-25.50	30.84	-33.58	-33.96	-34.75	-35.52
2200	-0.17	-25.54	-25.29	29.74	-34.34	-36.22	-34.89	-35.23
2300	-0.18	-25.39	-25.15	27.23	-35.84	-37.28	-35.07	-34.43
2400	-0.19	-25.35	-25.13	25.75	-35.48	-38.60	-35.11	-32.61
2500	-0.20	-25.46	-25.26	23.77	-36.32	-36.60	-34.69	-31.48
2600	-0.22	-25.73	-25.56	23.12	-38.37	-35.81	-33.95	-30.97
2700	-0.24	-26.18	-26.04	21.63	-37.65	-35.31	-33.07	-30.57
2800	-0.25	-26.86	-26.73	20.72	-42.39	-35.44	-32.92	-31.01
2900	-0.26	-27.79	-27.67	20.19	-43.30	-35.79	-34.98	-32.47
3000	-0.27	-29.04	-28.92	18.86	-42.27	-37.42	-41.14	-36.34
3100	-0.28	-30.67	-30.59	18.21	-33.28	-34.87	-43.00	-40.34
3200	-0.28	-32.97	-32.88	16.67	-29.65	-30.56	-32.93	-32.93
3300	-0.29	-36.30	-36.20	14.59	-26.13	-26.85	-28.10	-27.87

Bi-Directional Coupler

BDCH-25-272+

Typical Performance Data

Test Conditions: Input Power = +5 dbm, Temperature = +105°C, Configuration A.

Freq. (MHz)	I. Loss (dB) In - Out	Coupling (dB)		Directivity (dB) In - Fwd	Return Loss (dB)			
		In - Fwd	Out - Rev		In	Out	Fwd	Rev
50	-0.04	-47.13	-47.18	28.82	-34.96	-35.24	-34.21	-33.70
100	-0.06	-41.24	-41.27	29.51	-31.60	-32.06	-32.14	-31.85
200	-0.06	-35.35	-35.35	32.47	-32.15	-32.52	-37.39	-36.62
300	-0.07	-32.04	-32.04	30.65	-32.74	-33.69	-34.02	-33.34
400	-0.08	-29.85	-29.84	27.85	-29.79	-30.49	-28.05	-28.10
500	-0.08	-28.29	-28.27	27.48	-27.75	-28.36	-27.51	-27.47
600	-0.09	-27.17	-27.13	27.82	-27.00	-27.50	-28.17	-27.86
700	-0.10	-26.37	-26.32	28.05	-27.42	-27.76	-26.92	-26.85
800	-0.11	-25.81	-25.75	28.83	-28.32	-28.64	-27.42	-27.21
900	-0.12	-25.50	-25.43	30.02	-30.35	-30.38	-28.82	-28.86
1000	-0.13	-25.37	-25.28	29.75	-33.35	-33.34	-30.90	-31.20
1100	-0.15	-25.37	-25.27	27.20	-38.50	-39.19	-32.96	-34.15
1200	-0.16	-25.50	-25.40	26.04	-40.89	-52.23	-43.74	-42.95
1300	-0.17	-25.68	-25.58	24.84	-34.89	-36.71	-39.05	-36.79
1350	-0.18	-25.82	-25.74	25.38	-32.64	-33.86	-34.58	-33.42
1400	-0.18	-25.97	-25.83	25.89	-30.94	-31.73	-33.08	-32.31
1450	-0.19	-26.09	-25.94	25.59	-29.44	-30.18	-30.64	-30.12
1500	-0.19	-26.20	-26.05	26.14	-28.50	-29.17	-28.55	-28.66
1550	-0.20	-26.22	-26.23	26.57	-27.72	-28.41	-27.73	-27.42
1600	-0.19	-26.38	-26.22	29.44	-27.36	-27.91	-26.57	-26.49
1650	-0.20	-26.45	-26.25	29.81	-27.00	-27.60	-25.84	-26.18
1700	-0.20	-26.46	-26.24	31.82	-26.94	-27.44	-25.57	-25.50
1750	-0.20	-26.45	-26.22	32.89	-27.04	-27.64	-25.38	-25.62
1800	-0.21	-26.33	-26.25	37.64	-27.32	-27.67	-25.20	-25.38
1850	-0.21	-26.29	-26.15	34.66	-27.85	-27.99	-25.27	-25.65
1900	-0.21	-26.23	-25.99	35.73	-28.28	-28.20	-25.78	-25.91
1950	-0.21	-26.11	-25.86	33.81	-29.21	-28.89	-26.53	-26.57
2000	-0.21	-26.03	-25.76	30.65	-29.95	-29.31	-26.76	-27.49
2100	-0.22	-25.77	-25.48	29.58	-32.05	-30.91	-28.79	-29.43
2200	-0.22	-25.49	-25.28	27.95	-33.90	-32.37	-30.62	-31.69
2300	-0.23	-25.37	-25.13	25.39	-35.49	-33.70	-34.84	-35.10
2400	-0.24	-25.37	-25.12	23.70	-36.05	-33.72	-42.45	-41.61
2500	-0.25	-25.46	-25.28	22.36	-36.10	-33.45	-48.29	-45.09
2600	-0.27	-25.75	-25.56	21.25	-36.07	-33.09	-41.47	-45.84
2700	-0.29	-26.21	-26.04	21.09	-36.03	-32.92	-40.15	-41.24
2800	-0.30	-26.86	-26.78	20.48	-37.05	-34.29	-36.24	-38.59
2900	-0.31	-27.64	-27.50	21.52	-39.59	-36.77	-35.72	-38.50
3000	-0.32	-28.93	-28.79	20.83	-40.89	-40.69	-36.05	-38.47
3100	-0.32	-30.59	-30.49	19.28	-38.10	-38.31	-32.10	-35.29
3200	-0.34	-33.26	-33.20	12.97	-33.65	-33.05	-31.22	-32.83
3300	-0.34	-35.99	-35.83	13.26	-28.49	-27.98	-28.59	-30.47

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Bi-Directional Coupler

BDCH-25-272+

Typical Performance Data

Test Conditions: Input Power = +5 dbm, Temperature = +105°C, Configuration B.

Freq. (MHz)	I. Loss (dB) In - Out	Coupling (dB)		Directivity (dB) In - Fwd	Return Loss (dB)			
		In - Fwd	Out - Rev		In	Out	Fwd	Rev
50	-0.04	-47.18	-47.13	28.26	-35.24	-34.96	-33.70	-34.21
100	-0.06	-41.27	-41.24	29.54	-32.06	-31.60	-31.85	-32.14
200	-0.06	-35.35	-35.35	33.47	-32.52	-32.15	-36.62	-37.39
300	-0.07	-32.04	-32.04	32.55	-33.69	-32.74	-33.34	-34.02
400	-0.07	-29.84	-29.85	28.71	-30.49	-29.79	-28.10	-28.05
500	-0.08	-28.27	-28.29	28.12	-28.36	-27.75	-27.47	-27.51
600	-0.09	-27.13	-27.17	28.86	-27.50	-27.00	-27.86	-28.17
700	-0.09	-26.32	-26.37	28.88	-27.76	-27.42	-26.85	-26.92
800	-0.10	-25.75	-25.81	28.29	-28.64	-28.32	-27.21	-27.42
900	-0.11	-25.43	-25.50	28.21	-30.38	-30.35	-28.86	-28.82
1000	-0.13	-25.28	-25.37	28.23	-33.34	-33.35	-31.20	-30.90
1100	-0.14	-25.27	-25.37	27.21	-39.19	-38.50	-34.15	-32.96
1200	-0.15	-25.40	-25.50	26.31	-52.23	-40.89	-42.95	-43.74
1300	-0.17	-25.58	-25.68	25.21	-36.71	-34.89	-36.79	-39.05
1350	-0.18	-25.74	-25.82	26.13	-33.86	-32.64	-33.42	-34.58
1400	-0.18	-25.83	-25.97	26.95	-31.73	-30.94	-32.31	-33.08
1450	-0.19	-25.94	-26.09	26.99	-30.18	-29.44	-30.12	-30.64
1500	-0.19	-26.05	-26.20	27.49	-29.17	-28.50	-28.66	-28.55
1550	-0.20	-26.23	-26.22	28.79	-28.41	-27.72	-27.42	-27.73
1600	-0.19	-26.22	-26.38	30.49	-27.91	-27.36	-26.49	-26.57
1650	-0.20	-26.25	-26.45	30.45	-27.60	-27.00	-26.18	-25.84
1700	-0.20	-26.24	-26.46	31.06	-27.44	-26.94	-25.50	-25.57
1750	-0.20	-26.22	-26.45	30.22	-27.64	-27.04	-25.62	-25.38
1800	-0.21	-26.25	-26.33	30.98	-27.67	-27.32	-25.38	-25.20
1850	-0.21	-26.15	-26.29	30.16	-27.99	-27.85	-25.65	-25.27
1900	-0.20	-25.99	-26.23	29.98	-28.20	-28.28	-25.91	-25.78
1950	-0.20	-25.86	-26.11	29.06	-28.89	-29.21	-26.57	-26.53
2000	-0.20	-25.76	-26.03	27.82	-29.31	-29.95	-27.49	-26.76
2100	-0.20	-25.48	-25.77	27.15	-30.91	-32.05	-29.43	-28.79
2200	-0.21	-25.28	-25.49	26.51	-32.37	-33.90	-31.69	-30.62
2300	-0.22	-25.13	-25.37	24.97	-33.70	-35.49	-35.10	-34.84
2400	-0.23	-25.12	-25.37	24.08	-33.72	-36.05	-41.61	-42.45
2500	-0.24	-25.28	-25.46	23.33	-33.45	-36.10	-45.09	-48.29
2600	-0.26	-25.56	-25.75	22.56	-33.09	-36.07	-45.84	-41.47
2700	-0.28	-26.04	-26.21	21.60	-32.92	-36.03	-41.24	-40.15
2800	-0.29	-26.78	-26.86	21.42	-34.29	-37.05	-38.59	-36.24
2900	-0.31	-27.50	-27.64	22.70	-36.77	-39.59	-38.50	-35.72
3000	-0.31	-28.79	-28.93	21.94	-40.69	-40.89	-38.47	-36.05
3100	-0.31	-30.49	-30.59	21.21	-38.31	-38.10	-35.29	-32.10
3200	-0.33	-33.20	-33.26	14.52	-33.05	-33.65	-32.83	-31.22
3300	-0.33	-35.83	-35.99	17.49	-27.98	-28.49	-30.47	-28.59

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Bi-Directional Coupler

BDCH-25-272+

Typical Performance Data

Test Conditions: Input Power = +5 dbm, Temperature = +105°C, Configuration C.

Freq. (MHz)	I. Loss (dB) In - Out	Coupling (dB)		Directivity (dB) In - Fwd	Return Loss (dB)			
		In - Fwd	Out - Rev		In	Out	Fwd	Rev
50	-0.01	-47.17	-47.15	28.65	-33.70	-34.21	-35.24	-34.96
100	-0.02	-41.27	-41.26	29.70	-31.85	-32.14	-32.06	-31.60
200	-0.03	-35.35	-35.35	32.33	-36.62	-37.39	-32.52	-32.15
300	-0.05	-32.04	-32.05	30.52	-33.34	-34.02	-33.69	-32.74
400	-0.06	-29.84	-29.86	27.98	-28.10	-28.05	-30.49	-29.79
500	-0.07	-28.27	-28.29	27.70	-27.47	-27.51	-28.36	-27.75
600	-0.08	-27.14	-27.17	28.07	-27.86	-28.17	-27.50	-27.00
700	-0.10	-26.33	-26.37	28.28	-26.85	-26.92	-27.76	-27.42
800	-0.11	-25.75	-25.81	29.06	-27.21	-27.42	-28.64	-28.32
900	-0.12	-25.43	-25.50	30.03	-28.86	-28.82	-30.38	-30.35
1000	-0.14	-25.29	-25.36	29.63	-31.20	-30.90	-33.34	-33.35
1100	-0.15	-25.27	-25.36	26.99	-34.15	-32.96	-39.19	-38.50
1200	-0.16	-25.40	-25.50	25.96	-42.95	-43.74	-52.23	-40.89
1300	-0.18	-25.58	-25.68	24.74	-36.79	-39.05	-36.71	-34.89
1350	-0.18	-25.73	-25.82	25.28	-33.42	-34.58	-33.86	-32.64
1400	-0.18	-25.83	-25.97	25.86	-32.31	-33.08	-31.73	-30.94
1450	-0.19	-25.94	-26.09	25.57	-30.12	-30.64	-30.18	-29.44
1500	-0.19	-26.05	-26.20	26.21	-28.66	-28.55	-29.17	-28.50
1550	-0.21	-26.24	-26.23	26.55	-27.42	-27.73	-28.41	-27.72
1600	-0.20	-26.21	-26.39	29.54	-26.49	-26.57	-27.91	-27.36
1650	-0.22	-26.25	-26.45	30.03	-26.18	-25.84	-27.60	-27.00
1700	-0.22	-26.23	-26.46	32.00	-25.50	-25.57	-27.44	-26.94
1750	-0.22	-26.22	-26.45	33.28	-25.62	-25.38	-27.64	-27.04
1800	-0.23	-26.24	-26.33	37.52	-25.38	-25.20	-27.67	-27.32
1850	-0.23	-26.15	-26.29	34.53	-25.65	-25.27	-27.99	-27.85
1900	-0.23	-25.99	-26.22	35.89	-25.91	-25.78	-28.20	-28.28
1950	-0.23	-25.87	-26.11	33.90	-26.57	-26.53	-28.89	-29.21
2000	-0.24	-25.76	-26.01	30.69	-27.49	-26.76	-29.31	-29.95
2100	-0.24	-25.49	-25.76	29.75	-29.43	-28.79	-30.91	-32.05
2200	-0.25	-25.29	-25.47	27.90	-31.69	-30.62	-32.37	-33.90
2300	-0.25	-25.14	-25.36	25.38	-35.10	-34.84	-33.70	-35.49
2400	-0.27	-25.13	-25.35	23.75	-41.61	-42.45	-33.72	-36.05
2500	-0.28	-25.28	-25.44	22.46	-45.09	-48.29	-33.45	-36.10
2600	-0.29	-25.56	-25.74	21.51	-45.84	-41.47	-33.09	-36.07
2700	-0.31	-26.03	-26.20	21.35	-41.24	-40.15	-32.92	-36.03
2800	-0.32	-26.78	-26.85	20.69	-38.59	-36.24	-34.29	-37.05
2900	-0.34	-27.50	-27.63	21.97	-38.50	-35.72	-36.77	-39.59
3000	-0.35	-28.80	-28.92	21.36	-38.47	-36.05	-40.69	-40.89
3100	-0.35	-30.49	-30.57	19.80	-35.29	-32.10	-38.31	-38.10
3200	-0.38	-33.19	-33.23	13.17	-32.83	-31.22	-33.05	-33.65
3300	-0.38	-35.84	-35.96	13.40	-30.47	-28.59	-27.98	-28.49

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Bi-Directional Coupler

BDCH-25-272+

Typical Performance Data

Test Conditions: Input Power = +5 dbm, Temperature = +105°C, Configuration D.

Freq. (MHz)	I. Loss (dB) In - Out	Coupling (dB)		Directivity (dB) In - Fwd	Return Loss (dB)			
		In - Fwd	Out - Rev		In	Out	Fwd	Rev
50	-0.01	-47.15	-47.17	28.46	-34.21	-33.70	-34.96	-35.24
100	-0.02	-41.26	-41.27	29.84	-32.14	-31.85	-31.60	-32.06
200	-0.03	-35.35	-35.35	33.49	-37.39	-36.62	-32.15	-32.52
300	-0.04	-32.05	-32.04	33.27	-34.02	-33.34	-32.74	-33.69
400	-0.06	-29.86	-29.84	28.73	-28.05	-28.10	-29.79	-30.49
500	-0.07	-28.29	-28.27	28.05	-27.51	-27.47	-27.75	-28.36
600	-0.08	-27.17	-27.14	28.96	-28.17	-27.86	-27.00	-27.50
700	-0.09	-26.37	-26.33	28.50	-26.92	-26.85	-27.42	-27.76
800	-0.10	-25.81	-25.75	28.47	-27.42	-27.21	-28.32	-28.64
900	-0.12	-25.50	-25.43	27.74	-28.82	-28.86	-30.35	-30.38
1000	-0.13	-25.36	-25.29	27.85	-30.90	-31.20	-33.35	-33.34
1100	-0.15	-25.36	-25.27	27.41	-32.96	-34.15	-38.50	-39.19
1200	-0.16	-25.50	-25.40	26.19	-43.74	-42.95	-40.89	-52.23
1300	-0.18	-25.68	-25.58	25.34	-39.05	-36.79	-34.89	-36.71
1350	-0.18	-25.82	-25.73	25.99	-34.58	-33.42	-32.64	-33.86
1400	-0.19	-25.97	-25.83	26.95	-33.08	-32.31	-30.94	-31.73
1450	-0.19	-26.09	-25.94	27.16	-30.64	-30.12	-29.44	-30.18
1500	-0.20	-26.20	-26.05	27.46	-28.55	-28.66	-28.50	-29.17
1550	-0.21	-26.23	-26.24	28.97	-27.73	-27.42	-27.72	-28.41
1600	-0.21	-26.39	-26.21	30.51	-26.57	-26.49	-27.36	-27.91
1650	-0.21	-26.45	-26.25	30.24	-25.84	-26.18	-27.00	-27.60
1700	-0.22	-26.46	-26.23	30.79	-25.57	-25.50	-26.94	-27.44
1750	-0.21	-26.45	-26.22	30.06	-25.38	-25.62	-27.04	-27.64
1800	-0.22	-26.33	-26.24	30.61	-25.20	-25.38	-27.32	-27.67
1850	-0.22	-26.29	-26.15	29.96	-25.27	-25.65	-27.85	-27.99
1900	-0.22	-26.22	-25.99	29.67	-25.78	-25.91	-28.28	-28.20
1950	-0.22	-26.11	-25.87	28.49	-26.53	-26.57	-29.21	-28.89
2000	-0.23	-26.01	-25.76	27.28	-26.76	-27.49	-29.95	-29.31
2100	-0.23	-25.76	-25.49	26.51	-28.79	-29.43	-32.05	-30.91
2200	-0.24	-25.47	-25.29	26.19	-30.62	-31.69	-33.90	-32.37
2300	-0.24	-25.36	-25.14	24.56	-34.84	-35.10	-35.49	-33.70
2400	-0.26	-25.35	-25.13	24.45	-42.45	-41.61	-36.05	-33.72
2500	-0.27	-25.44	-25.28	23.22	-48.29	-45.09	-36.10	-33.45
2600	-0.29	-25.74	-25.56	22.80	-41.47	-45.84	-36.07	-33.09
2700	-0.30	-26.20	-26.03	21.58	-40.15	-41.24	-36.03	-32.92
2800	-0.33	-26.85	-26.78	21.26	-36.24	-38.59	-37.05	-34.29
2900	-0.34	-27.63	-27.50	23.14	-35.72	-38.50	-39.59	-36.77
3000	-0.35	-28.92	-28.80	21.81	-36.05	-38.47	-40.89	-40.69
3100	-0.36	-30.57	-30.49	21.31	-32.10	-35.29	-38.10	-38.31
3200	-0.37	-33.23	-33.19	14.30	-31.22	-32.83	-33.65	-33.05
3300	-0.36	-35.96	-35.84	16.97	-28.59	-30.47	-28.49	-27.98

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