

Bi-Directional Coupler

BDCH-10-63+

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
1000	-0.03	-16.04	-16.04	21.31	-35.88	-35.46	-31.84	-31.92
1200	-0.03	-14.62	-14.61	22.49	-34.33	-33.95	-32.01	-31.91
1400	-0.03	-13.45	-13.45	24.15	-32.14	-32.08	-31.42	-31.25
1600	-0.04	-12.49	-12.49	24.95	-31.46	-31.68	-29.59	-29.57
1800	-0.05	-11.68	-11.68	24.92	-28.92	-30.51	-29.59	-29.73
2000	-0.06	-10.99	-10.98	24.86	-27.66	-29.50	-29.05	-28.97
2200	-0.06	-10.41	-10.40	25.64	-27.73	-29.18	-28.43	-29.21
2400	-0.06	-9.93	-9.93	26.58	-27.65	-28.34	-27.51	-27.92
2600	-0.06	-9.54	-9.54	29.06	-28.10	-28.03	-27.52	-27.56
2800	-0.07	-9.21	-9.21	30.79	-29.46	-27.94	-30.19	-29.10
3000	-0.07	-8.92	-8.92	30.31	-33.19	-29.01	-34.24	-32.12
3100	-0.09	-8.78	-8.77	28.26	-35.65	-29.85	-36.27	-34.21
3200	-0.08	-8.67	-8.67	26.40	-37.70	-30.16	-37.18	-35.07
3300	-0.09	-8.57	-8.57	25.11	-39.37	-31.83	-36.28	-36.32
3400	-0.09	-8.48	-8.48	23.87	-37.05	-31.27	-36.13	-36.06
3500	-0.10	-8.38	-8.38	22.89	-34.59	-31.02	-36.13	-36.60
3600	-0.10	-8.34	-8.34	23.13	-32.68	-30.77	-37.74	-37.47
3700	-0.10	-8.28	-8.27	23.10	-31.39	-30.58	-38.03	-37.92
3800	-0.10	-8.26	-8.27	24.10	-31.88	-31.66	-39.10	-39.94
3900	-0.10	-8.24	-8.23	24.34	-32.41	-33.75	-41.39	-40.17
4000	-0.10	-8.25	-8.26	24.73	-33.29	-36.47	-40.71	-38.51
4100	-0.09	-8.30	-8.30	24.49	-35.32	-39.59	-38.79	-37.25
4200	-0.10	-8.29	-8.29	22.91	-36.87	-42.10	-38.21	-38.64
4300	-0.08	-8.31	-8.32	22.05	-39.49	-43.19	-34.37	-35.73
4400	-0.11	-8.35	-8.35	20.71	-37.96	-40.77	-33.84	-33.76
4500	-0.10	-8.35	-8.35	19.16	-39.12	-43.19	-34.91	-34.43
4600	-0.11	-8.43	-8.41	18.39	-38.95	-43.18	-40.57	-38.28
4700	-0.10	-8.44	-8.42	17.78	-36.41	-36.54	-40.77	-42.37
4800	-0.12	-8.51	-8.48	17.62	-32.54	-32.80	-47.51	-41.72
4900	-0.10	-8.60	-8.57	18.37	-32.97	-32.76	-46.78	-40.63
5000	-0.14	-8.70	-8.65	18.92	-31.51	-31.01	-62.79	-40.93
5200	-0.11	-9.02	-8.95	20.90	-28.34	-27.68	-39.06	-44.72
5400	-0.12	-9.30	-9.28	21.65	-27.23	-27.69	-42.45	-39.42
5600	-0.13	-9.69	-9.70	19.99	-26.99	-28.09	-37.14	-36.84
5800	-0.11	-10.14	-10.15	18.75	-24.97	-25.72	-34.84	-31.67
6000	-0.11	-10.64	-10.60	19.27	-23.67	-23.91	-28.04	-29.41
6200	-0.11	-11.07	-11.08	21.12	-23.03	-21.76	-27.34	-26.65
6400	-0.08	-11.64	-11.69	24.88	-21.65	-20.76	-27.06	-25.22
6600	-0.09	-12.42	-12.44	22.01	-20.39	-19.63	-26.93	-24.87
6800	-0.07	-13.36	-13.56	18.47	-18.90	-17.72	-25.81	-23.22
7000	-0.01	-14.39	-14.55	16.06	-17.23	-16.16	-23.71	-20.90

Bi-Directional Coupler

BDCH-10-63+

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
1000	-0.03	-16.04	-16.04	21.71	-35.46	-35.88	-31.92	-31.84
1200	-0.03	-14.61	-14.62	22.98	-33.95	-34.33	-31.91	-32.01
1400	-0.04	-13.45	-13.45	24.38	-32.08	-32.14	-31.25	-31.42
1600	-0.05	-12.49	-12.49	25.63	-31.68	-31.46	-29.57	-29.59
1800	-0.06	-11.68	-11.68	24.79	-30.51	-28.92	-29.73	-29.59
2000	-0.06	-10.98	-10.99	23.66	-29.50	-27.66	-28.97	-29.05
2200	-0.06	-10.40	-10.41	24.38	-29.18	-27.73	-29.21	-28.43
2400	-0.06	-9.93	-9.93	25.59	-28.34	-27.65	-27.92	-27.51
2600	-0.06	-9.54	-9.54	27.93	-28.03	-28.10	-27.56	-27.52
2800	-0.07	-9.21	-9.21	28.44	-27.94	-29.46	-29.10	-30.19
3000	-0.08	-8.92	-8.92	29.23	-29.01	-33.19	-32.12	-34.24
3100	-0.10	-8.77	-8.78	29.82	-29.85	-35.65	-34.21	-36.27
3200	-0.09	-8.67	-8.67	28.47	-30.16	-37.70	-35.07	-37.18
3300	-0.10	-8.57	-8.57	27.10	-31.83	-39.37	-36.32	-36.28
3400	-0.09	-8.48	-8.48	25.74	-31.27	-37.05	-36.06	-36.13
3500	-0.10	-8.38	-8.38	25.00	-31.02	-34.59	-36.60	-36.13
3600	-0.10	-8.34	-8.34	25.09	-30.77	-32.68	-37.47	-37.74
3700	-0.10	-8.27	-8.28	25.61	-30.58	-31.39	-37.92	-38.03
3800	-0.10	-8.27	-8.26	26.10	-31.66	-31.88	-39.94	-39.10
3900	-0.10	-8.23	-8.24	26.42	-33.75	-32.41	-40.17	-41.39
4000	-0.10	-8.26	-8.25	26.19	-36.47	-33.29	-38.51	-40.71
4100	-0.09	-8.30	-8.30	26.22	-39.59	-35.32	-37.25	-38.79
4200	-0.09	-8.29	-8.29	24.03	-42.10	-36.87	-38.64	-38.21
4300	-0.08	-8.32	-8.31	22.51	-43.19	-39.49	-35.73	-34.37
4400	-0.10	-8.35	-8.35	20.60	-40.77	-37.96	-33.76	-33.84
4500	-0.10	-8.35	-8.35	19.35	-43.19	-39.12	-34.43	-34.91
4600	-0.11	-8.41	-8.43	18.25	-43.18	-38.95	-38.28	-40.57
4700	-0.10	-8.42	-8.44	17.86	-36.54	-36.41	-42.37	-40.77
4800	-0.12	-8.48	-8.51	17.68	-32.80	-32.54	-41.72	-47.51
4900	-0.11	-8.57	-8.60	18.16	-32.76	-32.97	-40.63	-46.78
5000	-0.14	-8.65	-8.70	18.47	-31.01	-31.51	-40.93	-62.79
5200	-0.12	-8.95	-9.02	20.91	-27.68	-28.34	-44.72	-39.06
5400	-0.13	-9.28	-9.30	20.62	-27.69	-27.23	-39.42	-42.45
5600	-0.12	-9.70	-9.69	19.74	-28.09	-26.99	-36.84	-37.14
5800	-0.09	-10.15	-10.14	18.87	-25.72	-24.97	-31.67	-34.84
6000	-0.10	-10.60	-10.64	19.12	-23.91	-23.67	-29.41	-28.04
6200	-0.10	-11.08	-11.07	22.09	-21.76	-23.03	-26.65	-27.34
6400	-0.06	-11.69	-11.64	24.04	-20.76	-21.65	-25.22	-27.06
6600	-0.07	-12.44	-12.42	22.93	-19.63	-20.39	-24.87	-26.93
6800	-0.04	-13.56	-13.36	19.50	-17.72	-18.90	-23.22	-25.81
7000	0.00	-14.55	-14.39	15.69	-16.16	-17.23	-20.90	-23.71

Bi-Directional Coupler

BDCH-10-63+

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
1000	-0.02	-16.04	-16.05	21.45	-31.92	-31.84	-35.46	-35.88
1200	-0.02	-14.62	-14.63	22.66	-31.91	-32.01	-33.95	-34.33
1400	-0.03	-13.46	-13.46	24.33	-31.25	-31.42	-32.08	-32.14
1600	-0.03	-12.50	-12.50	25.34	-29.57	-29.59	-31.68	-31.46
1800	-0.04	-11.68	-11.68	25.18	-29.73	-29.59	-30.51	-28.92
2000	-0.05	-10.98	-11.00	24.71	-28.97	-29.05	-29.50	-27.66
2200	-0.05	-10.41	-10.42	25.18	-29.21	-28.43	-29.18	-27.73
2400	-0.04	-9.93	-9.95	25.98	-27.92	-27.51	-28.34	-27.65
2600	-0.05	-9.54	-9.55	28.34	-27.56	-27.52	-28.03	-28.10
2800	-0.05	-9.22	-9.22	30.55	-29.10	-30.19	-27.94	-29.46
3000	-0.07	-8.93	-8.93	30.12	-32.12	-34.24	-29.01	-33.19
3100	-0.08	-8.78	-8.78	27.91	-34.21	-36.27	-29.85	-35.65
3200	-0.06	-8.68	-8.67	25.88	-35.07	-37.18	-30.16	-37.70
3300	-0.08	-8.58	-8.58	24.35	-36.32	-36.28	-31.83	-39.37
3400	-0.08	-8.49	-8.48	23.07	-36.06	-36.13	-31.27	-37.05
3500	-0.09	-8.40	-8.39	21.95	-36.60	-36.13	-31.02	-34.59
3600	-0.09	-8.34	-8.34	22.04	-37.47	-37.74	-30.77	-32.68
3700	-0.09	-8.29	-8.28	21.87	-37.92	-38.03	-30.58	-31.39
3800	-0.08	-8.27	-8.27	22.73	-39.94	-39.10	-31.66	-31.88
3900	-0.10	-8.25	-8.25	23.05	-40.17	-41.39	-33.75	-32.41
4000	-0.07	-8.27	-8.27	23.55	-38.51	-40.71	-36.47	-33.29
4100	-0.08	-8.32	-8.31	24.10	-37.25	-38.79	-39.59	-35.32
4200	-0.06	-8.30	-8.30	22.94	-38.64	-38.21	-42.10	-36.87
4300	-0.08	-8.33	-8.33	22.48	-35.73	-34.37	-43.19	-39.49
4400	-0.08	-8.35	-8.34	20.97	-33.76	-33.84	-40.77	-37.96
4500	-0.09	-8.35	-8.36	19.49	-34.43	-34.91	-43.19	-39.12
4600	-0.09	-8.41	-8.42	18.39	-38.28	-40.57	-43.18	-38.95
4700	-0.09	-8.43	-8.45	17.86	-42.37	-40.77	-36.54	-36.41
4800	-0.10	-8.47	-8.49	17.52	-41.72	-47.51	-32.80	-32.54
4900	-0.09	-8.58	-8.59	18.20	-40.63	-46.78	-32.76	-32.97
5000	-0.10	-8.65	-8.68	18.65	-40.93	-62.79	-31.01	-31.51
5200	-0.10	-8.96	-9.01	20.82	-44.72	-39.06	-27.68	-28.34
5400	-0.11	-9.29	-9.30	23.26	-39.42	-42.45	-27.69	-27.23
5600	-0.10	-9.69	-9.69	22.23	-36.84	-37.14	-28.09	-26.99
5800	-0.06	-10.13	-10.13	20.08	-31.67	-34.84	-25.72	-24.97
6000	-0.09	-10.57	-10.64	20.07	-29.41	-28.04	-23.91	-23.67
6200	-0.09	-11.06	-11.08	21.04	-26.65	-27.34	-21.76	-23.03
6400	-0.07	-11.71	-11.66	23.93	-25.22	-27.06	-20.76	-21.65
6600	-0.08	-12.48	-12.46	23.69	-24.87	-26.93	-19.63	-20.39
6800	-0.08	-13.59	-13.39	19.43	-23.22	-25.81	-17.72	-18.90
7000	-0.05	-14.51	-14.41	15.51	-20.90	-23.71	-16.16	-17.23

Bi-Directional Coupler

BDCH-10-63+

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
1000	-0.02	-16.05	-16.04	21.72	-31.84	-31.92	-35.88	-35.46
1200	-0.02	-14.63	-14.62	22.88	-32.01	-31.91	-34.33	-33.95
1400	-0.02	-13.46	-13.46	24.14	-31.42	-31.25	-32.14	-32.08
1600	-0.03	-12.50	-12.50	25.60	-29.59	-29.57	-31.46	-31.68
1800	-0.04	-11.68	-11.68	25.09	-29.59	-29.73	-28.92	-30.51
2000	-0.04	-11.00	-10.98	23.87	-29.05	-28.97	-27.66	-29.50
2200	-0.04	-10.42	-10.41	24.33	-28.43	-29.21	-27.73	-29.18
2400	-0.04	-9.95	-9.93	25.13	-27.51	-27.92	-27.65	-28.34
2600	-0.05	-9.55	-9.54	27.32	-27.52	-27.56	-28.10	-28.03
2800	-0.05	-9.22	-9.22	28.68	-30.19	-29.10	-29.46	-27.94
3000	-0.06	-8.93	-8.93	30.14	-34.24	-32.12	-33.19	-29.01
3100	-0.08	-8.78	-8.78	30.63	-36.27	-34.21	-35.65	-29.85
3200	-0.06	-8.67	-8.68	29.02	-37.18	-35.07	-37.70	-30.16
3300	-0.08	-8.58	-8.58	27.55	-36.28	-36.32	-39.37	-31.83
3400	-0.07	-8.48	-8.49	26.12	-36.13	-36.06	-37.05	-31.27
3500	-0.08	-8.39	-8.40	24.97	-36.13	-36.60	-34.59	-31.02
3600	-0.08	-8.34	-8.34	24.94	-37.74	-37.47	-32.68	-30.77
3700	-0.09	-8.28	-8.29	25.09	-38.03	-37.92	-31.39	-30.58
3800	-0.08	-8.27	-8.27	25.19	-39.10	-39.94	-31.88	-31.66
3900	-0.09	-8.25	-8.25	25.20	-41.39	-40.17	-32.41	-33.75
4000	-0.07	-8.27	-8.27	24.83	-40.71	-38.51	-33.29	-36.47
4100	-0.08	-8.31	-8.32	25.12	-38.79	-37.25	-35.32	-39.59
4200	-0.07	-8.30	-8.30	23.52	-38.21	-38.64	-36.87	-42.10
4300	-0.09	-8.33	-8.33	22.67	-34.37	-35.73	-39.49	-43.19
4400	-0.09	-8.34	-8.35	21.10	-33.84	-33.76	-37.96	-40.77
4500	-0.10	-8.36	-8.35	20.00	-34.91	-34.43	-39.12	-43.19
4600	-0.10	-8.42	-8.41	18.98	-40.57	-38.28	-38.95	-43.18
4700	-0.10	-8.45	-8.43	18.35	-40.77	-42.37	-36.41	-36.54
4800	-0.11	-8.49	-8.47	18.07	-47.51	-41.72	-32.54	-32.80
4900	-0.10	-8.59	-8.58	18.40	-46.78	-40.63	-32.97	-32.76
5000	-0.11	-8.68	-8.65	18.40	-62.79	-40.93	-31.51	-31.01
5200	-0.11	-9.01	-8.96	20.34	-39.06	-44.72	-28.34	-27.68
5400	-0.13	-9.30	-9.29	20.69	-42.45	-39.42	-27.23	-27.69
5600	-0.12	-9.69	-9.69	20.92	-37.14	-36.84	-26.99	-28.09
5800	-0.09	-10.13	-10.13	20.08	-34.84	-31.67	-24.97	-25.72
6000	-0.11	-10.64	-10.57	19.55	-28.04	-29.41	-23.67	-23.91
6200	-0.12	-11.08	-11.06	21.56	-27.34	-26.65	-23.03	-21.76
6400	-0.10	-11.66	-11.71	22.66	-27.06	-25.22	-21.65	-20.76
6600	-0.11	-12.46	-12.48	22.61	-26.93	-24.87	-20.39	-19.63
6800	-0.12	-13.39	-13.59	20.59	-25.81	-23.22	-18.90	-17.72
7000	-0.08	-14.41	-14.51	16.33	-23.71	-20.90	-17.23	-16.16

Bi-Directional Coupler

BDCH-10-63+

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
1000	-0.03	-16.05	-16.06	21.20	-42.69	-43.50	-37.18	-37.34
1200	-0.03	-14.63	-14.64	21.72	-37.26	-37.79	-34.04	-34.31
1400	-0.04	-13.48	-13.49	22.98	-34.00	-34.59	-31.78	-32.07
1600	-0.04	-12.52	-12.53	23.57	-31.75	-32.22	-30.39	-30.52
1800	-0.03	-11.71	-11.71	23.09	-30.13	-30.45	-29.34	-29.36
2000	-0.04	-11.02	-11.03	22.33	-28.85	-28.96	-28.50	-28.39
2200	-0.04	-10.45	-10.46	22.31	-27.69	-27.77	-27.73	-27.54
2400	-0.05	-9.98	-9.99	22.93	-26.76	-26.83	-27.06	-26.79
2600	-0.06	-9.60	-9.63	24.23	-26.47	-26.37	-27.07	-26.74
2800	-0.06	-9.26	-9.28	24.08	-26.30	-26.13	-27.23	-26.78
3000	-0.06	-8.98	-8.99	22.51	-26.24	-26.10	-27.29	-26.79
3100	-0.05	-8.85	-8.87	21.83	-26.47	-26.19	-27.46	-27.00
3200	-0.05	-8.77	-8.79	21.58	-26.66	-26.29	-28.04	-27.43
3300	-0.03	-8.63	-8.64	21.01	-26.57	-26.22	-27.57	-27.11
3400	-0.04	-8.55	-8.56	21.04	-26.34	-26.00	-27.70	-27.07
3500	-0.03	-8.44	-8.45	20.89	-26.25	-25.98	-27.39	-26.87
3600	-0.05	-8.40	-8.41	21.49	-26.23	-26.02	-27.51	-27.11
3700	-0.03	-8.37	-8.38	22.21	-26.27	-26.35	-27.89	-27.35
3800	-0.05	-8.32	-8.34	22.85	-26.31	-26.38	-27.63	-27.55
3900	-0.04	-8.33	-8.35	23.33	-26.57	-27.10	-28.48	-28.08
4000	-0.06	-8.39	-8.40	24.07	-27.41	-28.13	-29.35	-29.33
4100	-0.04	-8.34	-8.37	22.98	-27.67	-28.22	-29.64	-29.75
4200	-0.07	-8.35	-8.37	21.70	-28.00	-28.53	-29.71	-30.28
4300	-0.04	-8.40	-8.44	21.73	-29.14	-29.69	-31.64	-32.92
4400	-0.06	-8.44	-8.46	21.07	-29.02	-29.77	-32.81	-33.84
4500	-0.05	-8.50	-8.53	21.06	-30.66	-30.69	-34.76	-36.63
4600	-0.08	-8.55	-8.56	21.04	-30.83	-30.52	-36.00	-38.06
4700	-0.06	-8.55	-8.57	21.19	-31.53	-30.97	-36.34	-39.92
4800	-0.06	-8.65	-8.64	22.10	-31.02	-30.65	-39.90	-41.72
4900	-0.04	-8.73	-8.74	24.26	-31.87	-31.09	-41.02	-48.88
5000	-0.07	-8.84	-8.83	25.75	-32.93	-31.57	-44.30	-51.37
5200	-0.06	-9.09	-9.09	28.05	-33.75	-32.00	-48.04	-41.48
5400	-0.08	-9.45	-9.45	26.78	-35.62	-34.40	-38.44	-33.16
5600	-0.10	-9.83	-9.83	23.48	-31.69	-31.60	-33.85	-30.63
5800	-0.12	-10.24	-10.29	22.46	-28.25	-28.38	-31.33	-28.87
6000	-0.10	-10.69	-10.66	22.75	-24.96	-25.77	-30.10	-27.36
6200	-0.12	-11.14	-11.18	26.69	-22.84	-24.03	-30.00	-26.58
6400	-0.14	-11.71	-11.85	24.56	-20.92	-22.24	-29.92	-26.80
6600	-0.16	-12.53	-12.60	19.94	-19.34	-20.73	-30.46	-24.62
6800	-0.17	-13.55	-13.55	16.63	-17.85	-18.65	-26.68	-23.59
7000	-0.20	-14.41	-14.54	14.70	-16.55	-16.83	-24.27	-21.76

Bi-Directional Coupler

BDCH-10-63+

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
1000	-0.02	-16.06	-16.05	21.25	-43.50	-42.69	-37.34	-37.18
1200	-0.03	-14.64	-14.63	21.89	-37.79	-37.26	-34.31	-34.04
1400	-0.03	-13.49	-13.48	23.14	-34.59	-34.00	-32.07	-31.78
1600	-0.03	-12.53	-12.52	23.91	-32.22	-31.75	-30.52	-30.39
1800	-0.03	-11.71	-11.71	23.28	-30.45	-30.13	-29.36	-29.34
2000	-0.04	-11.03	-11.02	22.43	-28.96	-28.85	-28.39	-28.50
2200	-0.05	-10.46	-10.45	22.41	-27.77	-27.69	-27.54	-27.73
2400	-0.06	-9.99	-9.98	23.14	-26.83	-26.76	-26.79	-27.06
2600	-0.06	-9.63	-9.60	24.45	-26.37	-26.47	-26.74	-27.07
2800	-0.06	-9.28	-9.26	23.98	-26.13	-26.30	-26.78	-27.23
3000	-0.06	-8.99	-8.98	22.18	-26.10	-26.24	-26.79	-27.29
3100	-0.05	-8.87	-8.85	21.59	-26.19	-26.47	-27.00	-27.46
3200	-0.05	-8.79	-8.77	21.37	-26.29	-26.66	-27.43	-28.04
3300	-0.04	-8.64	-8.63	20.99	-26.22	-26.57	-27.11	-27.57
3400	-0.04	-8.56	-8.55	21.26	-26.00	-26.34	-27.07	-27.70
3500	-0.04	-8.45	-8.44	21.43	-25.98	-26.25	-26.87	-27.39
3600	-0.05	-8.41	-8.40	22.22	-26.02	-26.23	-27.11	-27.51
3700	-0.05	-8.38	-8.37	23.50	-26.35	-26.27	-27.35	-27.89
3800	-0.05	-8.34	-8.32	24.19	-26.38	-26.31	-27.55	-27.63
3900	-0.05	-8.35	-8.33	25.17	-27.10	-26.57	-28.08	-28.48
4000	-0.06	-8.40	-8.39	26.09	-28.13	-27.41	-29.33	-29.35
4100	-0.06	-8.37	-8.34	24.45	-28.22	-27.67	-29.75	-29.64
4200	-0.07	-8.37	-8.35	23.21	-28.53	-28.00	-30.28	-29.71
4300	-0.06	-8.44	-8.40	22.92	-29.69	-29.14	-32.92	-31.64
4400	-0.07	-8.46	-8.44	22.12	-29.77	-29.02	-33.84	-32.81
4500	-0.07	-8.53	-8.50	22.20	-30.69	-30.66	-36.63	-34.76
4600	-0.09	-8.56	-8.55	22.18	-30.52	-30.83	-38.06	-36.00
4700	-0.07	-8.57	-8.55	22.43	-30.97	-31.53	-39.92	-36.34
4800	-0.07	-8.64	-8.65	23.41	-30.65	-31.02	-41.72	-39.90
4900	-0.05	-8.74	-8.73	25.40	-31.09	-31.87	-48.88	-41.02
5000	-0.07	-8.83	-8.84	27.09	-31.57	-32.93	-51.37	-44.30
5200	-0.07	-9.09	-9.09	30.46	-32.00	-33.75	-41.48	-48.04
5400	-0.08	-9.45	-9.45	29.33	-34.40	-35.62	-33.16	-38.44
5600	-0.10	-9.83	-9.83	24.64	-31.60	-31.69	-30.63	-33.85
5800	-0.12	-10.29	-10.24	21.74	-28.38	-28.25	-28.87	-31.33
6000	-0.10	-10.66	-10.69	21.17	-25.77	-24.96	-27.36	-30.10
6200	-0.12	-11.18	-11.14	23.87	-24.03	-22.84	-26.58	-30.00
6400	-0.15	-11.85	-11.71	24.70	-22.24	-20.92	-26.80	-29.92
6600	-0.18	-12.60	-12.53	19.07	-20.73	-19.34	-24.62	-30.46
6800	-0.21	-13.55	-13.55	16.01	-18.65	-17.85	-23.59	-26.68
7000	-0.24	-14.54	-14.41	13.49	-16.83	-16.55	-21.76	-24.27

Bi-Directional Coupler

BDCH-10-63+

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
1000	-0.02	-16.06	-16.06	21.26	-37.34	-37.18	-43.50	-42.69
1200	-0.02	-14.63	-14.64	21.87	-34.31	-34.04	-37.79	-37.26
1400	-0.02	-13.48	-13.48	23.20	-32.07	-31.78	-34.59	-34.00
1600	-0.03	-12.53	-12.53	23.91	-30.52	-30.39	-32.22	-31.75
1800	-0.02	-11.71	-11.71	23.27	-29.36	-29.34	-30.45	-30.13
2000	-0.03	-11.03	-11.03	22.27	-28.39	-28.50	-28.96	-28.85
2200	-0.03	-10.46	-10.46	22.18	-27.54	-27.73	-27.77	-27.69
2400	-0.04	-9.98	-9.99	22.88	-26.79	-27.06	-26.83	-26.76
2600	-0.05	-9.63	-9.61	24.10	-26.74	-27.07	-26.37	-26.47
2800	-0.04	-9.28	-9.27	23.87	-26.78	-27.23	-26.13	-26.30
3000	-0.05	-9.00	-8.98	22.13	-26.79	-27.29	-26.10	-26.24
3100	-0.04	-8.87	-8.86	21.34	-27.00	-27.46	-26.19	-26.47
3200	-0.04	-8.79	-8.77	21.01	-27.43	-28.04	-26.29	-26.66
3300	-0.02	-8.65	-8.64	20.46	-27.11	-27.57	-26.22	-26.57
3400	-0.03	-8.55	-8.55	20.56	-27.07	-27.70	-26.00	-26.34
3500	-0.02	-8.45	-8.45	20.38	-26.87	-27.39	-25.98	-26.25
3600	-0.03	-8.42	-8.40	21.01	-27.11	-27.51	-26.02	-26.23
3700	-0.02	-8.38	-8.38	21.74	-27.35	-27.89	-26.35	-26.27
3800	-0.04	-8.35	-8.33	22.48	-27.55	-27.63	-26.38	-26.31
3900	-0.02	-8.35	-8.35	23.08	-28.08	-28.48	-27.10	-26.57
4000	-0.05	-8.42	-8.40	23.89	-29.33	-29.35	-28.13	-27.41
4100	-0.03	-8.37	-8.37	22.96	-29.75	-29.64	-28.22	-27.67
4200	-0.05	-8.38	-8.36	21.62	-30.28	-29.71	-28.53	-28.00
4300	-0.03	-8.43	-8.43	21.66	-32.92	-31.64	-29.69	-29.14
4400	-0.05	-8.46	-8.44	20.84	-33.84	-32.81	-29.77	-29.02
4500	-0.03	-8.52	-8.51	20.90	-36.63	-34.76	-30.69	-30.66
4600	-0.05	-8.55	-8.54	20.80	-38.06	-36.00	-30.52	-30.83
4700	-0.05	-8.56	-8.55	21.11	-39.92	-36.34	-30.97	-31.53
4800	-0.05	-8.64	-8.64	22.07	-41.72	-39.90	-30.65	-31.02
4900	-0.03	-8.74	-8.72	24.28	-48.88	-41.02	-31.09	-31.87
5000	-0.05	-8.83	-8.83	25.64	-51.37	-44.30	-31.57	-32.93
5200	-0.05	-9.09	-9.09	28.43	-41.48	-48.04	-32.00	-33.75
5400	-0.06	-9.45	-9.46	28.10	-33.16	-38.44	-34.40	-35.62
5600	-0.06	-9.83	-9.83	24.30	-30.63	-33.85	-31.60	-31.69
5800	-0.07	-10.28	-10.24	23.00	-28.87	-31.33	-28.38	-28.25
6000	-0.06	-10.68	-10.70	23.62	-27.36	-30.10	-25.77	-24.96
6200	-0.07	-11.20	-11.17	27.19	-26.58	-30.00	-24.03	-22.84
6400	-0.08	-11.87	-11.73	24.90	-26.80	-29.92	-22.24	-20.92
6600	-0.09	-12.60	-12.56	20.68	-24.62	-30.46	-20.73	-19.34
6800	-0.10	-13.51	-13.59	16.42	-23.59	-26.68	-18.65	-17.85
7000	-0.11	-14.47	-14.47	14.15	-21.76	-24.27	-16.83	-16.55

Bi-Directional Coupler

BDCH-10-63+

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
1000	-0.02	-16.06	-16.06	21.25	-37.18	-37.34	-42.69	-43.50
1200	-0.03	-14.64	-14.63	21.81	-34.04	-34.31	-37.26	-37.79
1400	-0.03	-13.48	-13.48	22.95	-31.78	-32.07	-34.00	-34.59
1600	-0.03	-12.53	-12.53	23.90	-30.39	-30.52	-31.75	-32.22
1800	-0.03	-11.71	-11.71	23.51	-29.34	-29.36	-30.13	-30.45
2000	-0.03	-11.03	-11.03	22.64	-28.50	-28.39	-28.85	-28.96
2200	-0.04	-10.46	-10.46	22.43	-27.73	-27.54	-27.69	-27.77
2400	-0.05	-9.99	-9.98	22.86	-27.06	-26.79	-26.76	-26.83
2600	-0.05	-9.61	-9.63	24.07	-27.07	-26.74	-26.47	-26.37
2800	-0.05	-9.27	-9.28	23.93	-27.23	-26.78	-26.30	-26.13
3000	-0.05	-8.98	-9.00	22.43	-27.29	-26.79	-26.24	-26.10
3100	-0.04	-8.86	-8.87	21.85	-27.46	-27.00	-26.47	-26.19
3200	-0.04	-8.77	-8.79	21.60	-28.04	-27.43	-26.66	-26.29
3300	-0.01	-8.64	-8.65	21.16	-27.57	-27.11	-26.57	-26.22
3400	-0.03	-8.55	-8.55	21.40	-27.70	-27.07	-26.34	-26.00
3500	-0.02	-8.45	-8.45	21.30	-27.39	-26.87	-26.25	-25.98
3600	-0.04	-8.40	-8.42	21.92	-27.51	-27.11	-26.23	-26.02
3700	-0.02	-8.38	-8.38	23.03	-27.89	-27.35	-26.27	-26.35
3800	-0.04	-8.33	-8.35	23.60	-27.63	-27.55	-26.31	-26.38
3900	-0.02	-8.35	-8.35	24.74	-28.48	-28.08	-26.57	-27.10
4000	-0.05	-8.40	-8.42	25.99	-29.35	-29.33	-27.41	-28.13
4100	-0.02	-8.37	-8.37	24.89	-29.64	-29.75	-27.67	-28.22
4200	-0.05	-8.36	-8.38	24.04	-29.71	-30.28	-28.00	-28.53
4300	-0.02	-8.43	-8.43	23.94	-31.64	-32.92	-29.14	-29.69
4400	-0.04	-8.44	-8.46	23.25	-32.81	-33.84	-29.02	-29.77
4500	-0.03	-8.51	-8.52	23.24	-34.76	-36.63	-30.66	-30.69
4600	-0.04	-8.54	-8.55	23.12	-36.00	-38.06	-30.83	-30.52
4700	-0.04	-8.55	-8.56	22.99	-36.34	-39.92	-31.53	-30.97
4800	-0.04	-8.64	-8.64	23.82	-39.90	-41.72	-31.02	-30.65
4900	-0.02	-8.72	-8.74	25.68	-41.02	-48.88	-31.87	-31.09
5000	-0.03	-8.83	-8.83	26.71	-44.30	-51.37	-32.93	-31.57
5200	-0.03	-9.09	-9.09	29.10	-48.04	-41.48	-33.75	-32.00
5400	-0.04	-9.46	-9.45	30.26	-38.44	-33.16	-35.62	-34.40
5600	-0.04	-9.83	-9.83	26.44	-33.85	-30.63	-31.69	-31.60
5800	-0.04	-10.24	-10.28	23.00	-31.33	-28.87	-28.25	-28.38
6000	-0.05	-10.70	-10.68	21.44	-30.10	-27.36	-24.96	-25.77
6200	-0.06	-11.17	-11.20	22.94	-30.00	-26.58	-22.84	-24.03
6400	-0.06	-11.73	-11.87	23.25	-29.92	-26.80	-20.92	-22.24
6600	-0.08	-12.56	-12.60	19.16	-30.46	-24.62	-19.34	-20.73
6800	-0.09	-13.59	-13.51	16.48	-26.68	-23.59	-17.85	-18.65
7000	-0.10	-14.47	-14.47	13.58	-24.27	-21.76	-16.55	-16.83

Bi-Directional Coupler

BDCH-10-63+

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
1000	-0.03	-16.06	-16.06	21.73	-42.45	-43.01	-37.40	-37.23
1200	-0.04	-14.64	-14.64	22.38	-40.09	-40.56	-36.78	-36.61
1400	-0.04	-13.48	-13.49	23.47	-36.91	-38.17	-34.99	-35.18
1600	-0.04	-12.53	-12.54	23.73	-35.15	-36.11	-33.43	-33.65
1800	-0.03	-11.71	-11.72	22.67	-32.99	-33.52	-31.55	-31.55
2000	-0.04	-11.03	-11.04	21.32	-30.61	-30.72	-29.69	-29.55
2200	-0.05	-10.47	-10.49	20.83	-28.53	-28.56	-27.94	-27.60
2400	-0.06	-10.00	-10.01	20.96	-26.55	-26.49	-26.62	-26.25
2600	-0.06	-9.61	-9.62	21.66	-25.37	-25.29	-26.09	-25.63
2800	-0.06	-9.30	-9.31	21.56	-24.81	-24.78	-25.99	-25.55
3000	-0.06	-9.02	-9.03	20.23	-24.41	-24.23	-25.90	-25.41
3100	-0.05	-8.91	-8.93	20.01	-24.71	-24.48	-25.87	-25.55
3200	-0.07	-8.80	-8.83	19.64	-24.46	-24.22	-26.33	-25.82
3300	-0.05	-8.68	-8.69	19.55	-24.33	-24.05	-26.10	-25.77
3400	-0.06	-8.59	-8.60	19.50	-24.04	-23.80	-26.15	-25.66
3500	-0.05	-8.50	-8.52	19.89	-24.16	-23.97	-26.00	-25.53
3600	-0.05	-8.44	-8.45	20.52	-24.06	-23.80	-25.69	-25.40
3700	-0.06	-8.39	-8.40	20.75	-24.02	-23.81	-25.73	-25.31
3800	-0.07	-8.38	-8.39	21.63	-24.36	-24.01	-25.41	-25.49
3900	-0.04	-8.37	-8.39	22.00	-24.63	-24.54	-25.89	-25.68
4000	-0.08	-8.42	-8.44	22.07	-25.18	-24.95	-25.96	-26.20
4100	-0.07	-8.43	-8.47	20.98	-25.84	-25.41	-26.81	-26.96
4200	-0.09	-8.47	-8.49	20.71	-26.04	-25.58	-26.38	-26.95
4300	-0.07	-8.49	-8.53	20.56	-27.07	-26.16	-27.22	-28.08
4400	-0.09	-8.54	-8.56	20.56	-26.67	-26.06	-27.39	-28.29
4500	-0.08	-8.57	-8.60	21.02	-28.28	-26.84	-27.71	-28.96
4600	-0.09	-8.63	-8.63	21.93	-28.52	-27.22	-28.12	-29.11
4700	-0.08	-8.68	-8.70	24.31	-29.87	-28.20	-29.24	-30.88
4800	-0.07	-8.76	-8.75	27.27	-29.94	-28.75	-30.86	-32.26
4900	-0.07	-8.78	-8.79	30.45	-30.72	-29.36	-31.15	-33.25
5000	-0.08	-8.98	-8.95	38.75	-32.41	-30.91	-33.95	-36.65
5200	-0.08	-9.19	-9.20	31.68	-32.54	-31.90	-41.00	-40.85
5400	-0.10	-9.51	-9.52	29.05	-35.57	-36.56	-40.61	-32.28
5600	-0.13	-9.89	-9.90	26.52	-31.05	-32.99	-33.00	-29.37
5800	-0.13	-10.42	-10.40	25.50	-28.85	-29.84	-31.59	-28.12
6000	-0.12	-10.78	-10.78	25.55	-26.00	-27.14	-30.96	-27.83
6200	-0.15	-11.27	-11.35	28.17	-23.96	-25.44	-31.68	-28.21
6400	-0.15	-11.92	-11.91	22.71	-21.57	-23.25	-34.20	-29.16
6600	-0.17	-12.61	-12.72	17.90	-20.24	-21.58	-35.99	-28.76
6800	-0.22	-13.68	-13.57	16.29	-18.31	-19.18	-32.03	-26.53
7000	-0.25	-14.68	-14.65	15.17	-17.03	-17.22	-27.02	-24.63

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Bi-Directional Coupler

BDCH-10-63+

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
1000	-0.03	-16.06	-16.06	21.77	-43.01	-42.45	-37.23	-37.40
1200	-0.03	-14.64	-14.64	22.51	-40.56	-40.09	-36.61	-36.78
1400	-0.03	-13.49	-13.48	23.57	-38.17	-36.91	-35.18	-34.99
1600	-0.03	-12.54	-12.53	24.03	-36.11	-35.15	-33.65	-33.43
1800	-0.03	-11.72	-11.71	22.83	-33.52	-32.99	-31.55	-31.55
2000	-0.04	-11.04	-11.03	21.43	-30.72	-30.61	-29.55	-29.69
2200	-0.05	-10.49	-10.47	20.96	-28.56	-28.53	-27.60	-27.94
2400	-0.06	-10.01	-10.00	21.23	-26.49	-26.55	-26.25	-26.62
2600	-0.06	-9.62	-9.61	21.89	-25.29	-25.37	-25.63	-26.09
2800	-0.06	-9.31	-9.30	21.51	-24.78	-24.81	-25.55	-25.99
3000	-0.06	-9.03	-9.02	19.96	-24.23	-24.41	-25.41	-25.90
3100	-0.06	-8.93	-8.91	19.74	-24.48	-24.71	-25.55	-25.87
3200	-0.06	-8.83	-8.80	19.34	-24.22	-24.46	-25.82	-26.33
3300	-0.05	-8.69	-8.68	19.44	-24.05	-24.33	-25.77	-26.10
3400	-0.06	-8.60	-8.59	19.58	-23.80	-24.04	-25.66	-26.15
3500	-0.06	-8.52	-8.50	20.23	-23.97	-24.16	-25.53	-26.00
3600	-0.05	-8.45	-8.44	21.05	-23.80	-24.06	-25.40	-25.69
3700	-0.07	-8.40	-8.39	21.53	-23.81	-24.02	-25.31	-25.73
3800	-0.07	-8.39	-8.38	22.57	-24.01	-24.36	-25.49	-25.41
3900	-0.05	-8.39	-8.37	23.09	-24.54	-24.63	-25.68	-25.89
4000	-0.07	-8.44	-8.42	23.25	-24.95	-25.18	-26.20	-25.96
4100	-0.09	-8.47	-8.43	21.85	-25.41	-25.84	-26.96	-26.81
4200	-0.09	-8.49	-8.47	21.89	-25.58	-26.04	-26.95	-26.38
4300	-0.09	-8.53	-8.49	21.61	-26.16	-27.07	-28.08	-27.22
4400	-0.10	-8.56	-8.54	22.10	-26.06	-26.67	-28.29	-27.39
4500	-0.09	-8.60	-8.57	23.01	-26.84	-28.28	-28.96	-27.71
4600	-0.10	-8.63	-8.63	24.67	-27.22	-28.52	-29.11	-28.12
4700	-0.08	-8.70	-8.68	27.47	-28.20	-29.87	-30.88	-29.24
4800	-0.07	-8.75	-8.76	29.99	-28.75	-29.94	-32.26	-30.86
4900	-0.08	-8.79	-8.78	35.21	-29.36	-30.72	-33.25	-31.15
5000	-0.07	-8.95	-8.98	44.72	-30.91	-32.41	-36.65	-33.95
5200	-0.08	-9.20	-9.19	43.77	-31.90	-32.54	-40.85	-41.00
5400	-0.09	-9.52	-9.51	36.36	-36.56	-35.57	-32.28	-40.61
5600	-0.11	-9.90	-9.89	27.74	-32.99	-31.05	-29.37	-33.00
5800	-0.12	-10.40	-10.42	24.71	-29.84	-28.85	-28.12	-31.59
6000	-0.11	-10.78	-10.78	23.92	-27.14	-26.00	-27.83	-30.96
6200	-0.14	-11.35	-11.27	28.23	-25.44	-23.96	-28.21	-31.68
6400	-0.15	-11.91	-11.92	23.80	-23.25	-21.57	-29.16	-34.20
6600	-0.18	-12.72	-12.61	18.51	-21.58	-20.24	-28.76	-35.99
6800	-0.23	-13.57	-13.68	15.60	-19.18	-18.31	-26.53	-32.03
7000	-0.26	-14.65	-14.68	14.48	-17.22	-17.03	-24.63	-27.02

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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
1000	-0.03	-16.07	-16.07	21.79	-37.23	-37.40	-43.01	-42.45
1200	-0.04	-14.65	-14.65	22.56	-36.61	-36.78	-40.56	-40.09
1400	-0.03	-13.49	-13.49	23.75	-35.18	-34.99	-38.17	-36.91
1600	-0.04	-12.54	-12.54	24.09	-33.65	-33.43	-36.11	-35.15
1800	-0.03	-11.72	-11.72	22.84	-31.55	-31.55	-33.52	-32.99
2000	-0.04	-11.04	-11.04	21.29	-29.55	-29.69	-30.72	-30.61
2200	-0.05	-10.49	-10.48	20.79	-27.60	-27.94	-28.56	-28.53
2400	-0.06	-10.01	-10.01	21.04	-26.25	-26.62	-26.49	-26.55
2600	-0.06	-9.63	-9.62	21.64	-25.63	-26.09	-25.29	-25.37
2800	-0.06	-9.32	-9.31	21.29	-25.55	-25.99	-24.78	-24.81
3000	-0.06	-9.03	-9.02	19.76	-25.41	-25.90	-24.23	-24.41
3100	-0.05	-8.94	-8.92	19.47	-25.55	-25.87	-24.48	-24.71
3200	-0.06	-8.83	-8.81	19.08	-25.82	-26.33	-24.22	-24.46
3300	-0.05	-8.70	-8.69	19.07	-25.77	-26.10	-24.05	-24.33
3400	-0.06	-8.61	-8.59	19.18	-25.66	-26.15	-23.80	-24.04
3500	-0.04	-8.52	-8.51	19.56	-25.53	-26.00	-23.97	-24.16
3600	-0.05	-8.46	-8.44	20.27	-25.40	-25.69	-23.80	-24.06
3700	-0.06	-8.40	-8.40	20.53	-25.31	-25.73	-23.81	-24.02
3800	-0.06	-8.40	-8.38	21.43	-25.49	-25.41	-24.01	-24.36
3900	-0.04	-8.39	-8.39	21.72	-25.68	-25.89	-24.54	-24.63
4000	-0.08	-8.45	-8.43	21.71	-26.20	-25.96	-24.95	-25.18
4100	-0.09	-8.47	-8.47	20.60	-26.96	-26.81	-25.41	-25.84
4200	-0.09	-8.50	-8.47	20.35	-26.95	-26.38	-25.58	-26.04
4300	-0.08	-8.52	-8.52	20.21	-28.08	-27.22	-26.16	-27.07
4400	-0.09	-8.56	-8.54	20.26	-28.29	-27.39	-26.06	-26.67
4500	-0.08	-8.59	-8.58	20.84	-28.96	-27.71	-26.84	-28.28
4600	-0.10	-8.63	-8.63	21.99	-29.11	-28.12	-27.22	-28.52
4700	-0.08	-8.69	-8.68	24.67	-30.88	-29.24	-28.20	-29.87
4800	-0.07	-8.75	-8.75	28.07	-32.26	-30.86	-28.75	-29.94
4900	-0.08	-8.78	-8.77	31.39	-33.25	-31.15	-29.36	-30.72
5000	-0.08	-8.97	-8.97	39.43	-36.65	-33.95	-30.91	-32.41
5200	-0.07	-9.21	-9.18	33.05	-40.85	-41.00	-31.90	-32.54
5400	-0.09	-9.52	-9.51	30.01	-32.28	-40.61	-36.56	-35.57
5600	-0.09	-9.91	-9.88	27.34	-29.37	-33.00	-32.99	-31.05
5800	-0.11	-10.42	-10.42	26.67	-28.12	-31.59	-29.84	-28.85
6000	-0.09	-10.82	-10.81	27.92	-27.83	-30.96	-27.14	-26.00
6200	-0.11	-11.38	-11.30	29.71	-28.21	-31.68	-25.44	-23.96
6400	-0.11	-11.92	-11.93	23.21	-29.16	-34.20	-23.25	-21.57
6600	-0.12	-12.71	-12.62	18.12	-28.76	-35.99	-21.58	-20.24
6800	-0.13	-13.54	-13.70	16.15	-26.53	-32.03	-19.18	-18.31
7000	-0.16	-14.63	-14.70	15.17	-24.63	-27.02	-17.22	-17.03

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Bi-Directional Coupler

BDCH-10-63+

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
1000	-0.03	-16.07	-16.07	21.76	-37.40	-37.23	-42.45	-43.01
1200	-0.04	-14.65	-14.65	22.45	-36.78	-36.61	-40.09	-40.56
1400	-0.04	-13.49	-13.49	23.40	-34.99	-35.18	-36.91	-38.17
1600	-0.04	-12.54	-12.54	24.01	-33.43	-33.65	-35.15	-36.11
1800	-0.04	-11.72	-11.72	23.04	-31.55	-31.55	-32.99	-33.52
2000	-0.05	-11.04	-11.04	21.62	-29.69	-29.55	-30.61	-30.72
2200	-0.06	-10.48	-10.49	21.00	-27.94	-27.60	-28.53	-28.56
2400	-0.06	-10.01	-10.01	21.03	-26.62	-26.25	-26.55	-26.49
2600	-0.06	-9.62	-9.63	21.63	-26.09	-25.63	-25.37	-25.29
2800	-0.06	-9.31	-9.32	21.46	-25.99	-25.55	-24.81	-24.78
3000	-0.06	-9.02	-9.03	20.11	-25.90	-25.41	-24.41	-24.23
3100	-0.05	-8.92	-8.94	19.89	-25.87	-25.55	-24.71	-24.48
3200	-0.06	-8.81	-8.83	19.48	-26.33	-25.82	-24.46	-24.22
3300	-0.05	-8.69	-8.70	19.53	-26.10	-25.77	-24.33	-24.05
3400	-0.06	-8.59	-8.61	19.65	-26.15	-25.66	-24.04	-23.80
3500	-0.05	-8.51	-8.52	20.09	-26.00	-25.53	-24.16	-23.97
3600	-0.05	-8.44	-8.46	20.76	-25.69	-25.40	-24.06	-23.80
3700	-0.06	-8.40	-8.40	21.17	-25.73	-25.31	-24.02	-23.81
3800	-0.06	-8.38	-8.40	22.22	-25.41	-25.49	-24.36	-24.01
3900	-0.05	-8.39	-8.39	22.94	-25.89	-25.68	-24.63	-24.54
4000	-0.08	-8.43	-8.45	23.44	-25.96	-26.20	-25.18	-24.95
4100	-0.08	-8.47	-8.47	22.39	-26.81	-26.96	-25.84	-25.41
4200	-0.09	-8.47	-8.50	22.73	-26.38	-26.95	-26.04	-25.58
4300	-0.07	-8.52	-8.52	22.39	-27.22	-28.08	-27.07	-26.16
4400	-0.08	-8.54	-8.56	22.98	-27.39	-28.29	-26.67	-26.06
4500	-0.08	-8.58	-8.59	23.76	-27.71	-28.96	-28.28	-26.84
4600	-0.08	-8.63	-8.63	25.27	-28.12	-29.11	-28.52	-27.22
4700	-0.07	-8.68	-8.69	27.84	-29.24	-30.88	-29.87	-28.20
4800	-0.05	-8.75	-8.75	30.16	-30.86	-32.26	-29.94	-28.75
4900	-0.07	-8.77	-8.78	35.40	-31.15	-33.25	-30.72	-29.36
5000	-0.06	-8.97	-8.97	50.03	-33.95	-36.65	-32.41	-30.91
5200	-0.05	-9.18	-9.21	54.99	-41.00	-40.85	-32.54	-31.90
5400	-0.07	-9.51	-9.52	39.84	-40.61	-32.28	-35.57	-36.56
5600	-0.07	-9.88	-9.91	29.91	-33.00	-29.37	-31.05	-32.99
5800	-0.09	-10.42	-10.42	26.11	-31.59	-28.12	-28.85	-29.84
6000	-0.08	-10.81	-10.82	24.02	-30.96	-27.83	-26.00	-27.14
6200	-0.10	-11.30	-11.38	26.28	-31.68	-28.21	-23.96	-25.44
6400	-0.11	-11.93	-11.92	22.99	-34.20	-29.16	-21.57	-23.25
6600	-0.11	-12.62	-12.71	18.97	-35.99	-28.76	-20.24	-21.58
6800	-0.13	-13.70	-13.54	15.90	-32.03	-26.53	-18.31	-19.18
7000	-0.16	-14.70	-14.63	14.27	-27.02	-24.63	-17.03	-17.22

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