Surface Mount

Bi-Directional Coupler

BDCH-20-272+

Typical Performance Data

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

Freq. (MHz)	I. Loss (dB)	Coupling (dB)		Directivity (dB)	Return Loss (dB)			
	In - Out	In - Fwd	Out - Rev	In - Fwd	In	Out	Fwd	Rev
50	-0.04	-41.87	-41.87	35.42	-49.84	-49.98	-51.83	-51.40
100	-0.05	-35.89	-35.90	31.19	-37.21	-37.27	-36.88	-36.60
200	-0.07	-30.04	-30.04	26.22	-27.33	-27.23	-25.67	-25.77
300	-0.08	-26.73	-26.72	24.92	-26.46	-26.35	-26.06	-26.15
400	-0.09	-24.53	-24.50	24.39	-27.72	-27.90	-26.96	-27.14
500	-0.09	-22.96	-22.93	24.71	-30.66	-30.84	-28.71	-29.14
600	-0.10	-21.82	-21.79	24.22	-32.69	-33.05	-29.73	-30.16
700	-0.11	-21.02	-20.99	24.73	-33.68	-34.22	-34.04	-34.94
800	-0.11	-20.47	-20.43	24.48	-36.19	-36.36	-35.86	-37.04
900	-0.12	-20.15	-20.10	24.06	-41.27	-42.29	-39.44	-42.36
1000	-0.13	-19.99	-19.95	23.70	-45.92	-41.70	-37.28	-36.32
1100	-0.14	-19.98	-19.94	23.32	-36.64	-35.26	-31.59	-30.98
1200	-0.14	-20.08	-20.05	23.48	-30.91	-30.55	-27.43	-27.10
1300	-0.15	-20.26	-20.23	23.31	-28.13	-27.73	-25.22	-24.90
1350	-0.16	-20.37	-20.35	23.92	-27.25	-26.88	-24.40	-24.20
1400	-0.16	-20.49	-20.44	24.29	-26.07	-26.08	-23.84	-23.69
1450	-0.16	-20.60	-20.55	24.36	-25.48	-25.60	-23.57	-23.31
1500	-0.16	-20.69	-20.64	24.22	-25.77	-25.67	-23.73	-23.52
1550	-0.17	-20.77	-20.73	24.24	-25.85	-25.72	-24.01	-23.61
1600	-0.17	-20.84	-20.77	24.34	-25.76	-25.83	-23.92	-23.67
1650	-0.17	-20.88	-20.78	23.92	-25.75	-26.13	-24.07	-23.80
1700	-0.18	-20.90	-20.79	23.37	-27.01	-27.08	-24.85	-24.60
1750	-0.18	-20.88	-20.77	22.70	-28.20	-28.25	-26.03	-25.65
1800	-0.18	-20.82	-20.73	22.35	-29.06	-29.45	-26.93	-26.53
1850	-0.18	-20.76	-20.67	21.64	-29.86	-30.91	-27.90	-27.57
1900	-0.18	-20.70	-20.57	21.11	-32.94	-33.38	-29.64	-29.46
1950	-0.18	-20.63	-20.47	20.45	-36.17	-35.70	-32.17	-32.06
2000	-0.18	-20.56	-20.38	19.85	-36.21	-36.75	-34.08	-34.67
2100	-0.20	-20.39	-20.21	19.18	-38.72	-35.88	-36.02	-40.87
2200	-0.18	-20.28	-20.09	18.74	-33.41	-32.30	-32.11	-33.77
2300	-0.21	-20.25	-20.08	18.44	-35.23	-32.62	-30.66	-31.23
2400	-0.20	-20.34	-20.20	18.11	-34.28	-32.04	-28.94	-28.86
2500	-0.22	-20.62	-20.49	17.73	-37.07	-33.16	-29.10	-29.14
2600	-0.22	-21.05	-20.93	17.52	-36.65	-34.09	-29.70	-29.48
2700	-0.23	-21.72	-21.62	16.67	-36.84	-35.47	-30.65	-30.90
2800	-0.25	-22.69	-22.59	15.02	-35.06	-37.75	-30.54	-30.19
2900	-0.22	-23.86	-23.77	14.21	-37.20	-39.48	-29.77	-29.34
3000	-0.25	-25.58	-25.49	12.35	-37.09	-43.92	-28.68	-28.01
3100	-0.24	-28.02	-27.98	9.89	-35.10	-35.93	-27.47	-27.03
3200	-0.28	-31.90	-31.91	5.55	-32.30	-33.92	-26.54	-25.81
3300	-0.27	-37.92	-37.82	1.52	-29.99	-30.30	-25.98	-25.42

Surface Mount

Bi-Directional Coupler

BDCH-20-272+

Typical Performance Data

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

Freq. (MHz)	I. Loss (dB)	Coupling (dB)		Directivity (dB)	Return Loss (dB)			
	In - Out	In - Fwd	Out - Rev	In - Fwd	In	Out	Fwd	Rev
50	-0.02	-41.87	-41.87	35.81	-49.98	-49.84	-51.40	-51.83
100	-0.03	-35.90	-35.89	30.57	-37.27	-37.21	-36.60	-36.88
200	-0.05	-30.04	-30.04	25.93	-27.23	-27.33	-25.77	-25.67
300	-0.06	-26.72	-26.73	25.12	-26.35	-26.46	-26.15	-26.06
400	-0.07	-24.50	-24.53	24.75	-27.90	-27.72	-27.14	-26.96
500	-0.07	-22.93	-22.96	25.04	-30.84	-30.66	-29.14	-28.71
600	-0.08	-21.79	-21.82	24.79	-33.05	-32.69	-30.16	-29.73
700	-0.09	-20.99	-21.02	24.67	-34.22	-33.68	-34.94	-34.04
800	-0.10	-20.43	-20.47	23.88	-36.36	-36.19	-37.04	-35.86
900	-0.10	-20.10	-20.15	23.33	-42.29	-41.27	-42.36	-39.44
1000	-0.11	-19.95	-19.99	22.63	-41.70	-45.92	-36.32	-37.28
1100	-0.12	-19.94	-19.98	21.82	-35.26	-36.64	-30.98	-31.59
1200	-0.13	-20.05	-20.08	21.42	-30.55	-30.91	-27.10	-27.43
1300	-0.14	-20.23	-20.26	21.23	-27.73	-28.13	-24.90	-25.22
1350	-0.14	-20.35	-20.37	21.60	-26.88	-27.25	-24.20	-24.40
1400	-0.15	-20.44	-20.49	21.99	-26.08	-26.07	-23.69	-23.84
1450	-0.15	-20.55	-20.60	22.03	-25.60	-25.48	-23.31	-23.57
1500	-0.15	-20.64	-20.69	21.94	-25.67	-25.77	-23.52	-23.73
1550	-0.16	-20.73	-20.77	22.51	-25.72	-25.85	-23.61	-24.01
1600	-0.16	-20.77	-20.84	22.48	-25.83	-25.76	-23.67	-23.92
1650	-0.16	-20.78	-20.88	22.18	-26.13	-25.75	-23.80	-24.07
1700	-0.17	-20.79	-20.90	22.02	-27.08	-27.01	-24.60	-24.85
1750	-0.17	-20.77	-20.88	21.67	-28.25	-28.20	-25.65	-26.03
1800	-0.17	-20.73	-20.82	21.54	-29.45	-29.06	-26.53	-26.93
1850	-0.17	-20.67	-20.76	21.23	-30.91	-29.86	-27.57	-27.90
1900	-0.17	-20.57	-20.70	20.85	-33.38	-32.94	-29.46	-29.64
1950	-0.17	-20.47	-20.63	20.62	-35.70	-36.17	-32.06	-32.17
2000	-0.18	-20.38	-20.56	20.11	-36.75	-36.21	-34.67	-34.08
2100	-0.19	-20.21	-20.39	20.26	-35.88	-38.72	-40.87	-36.02
2200	-0.17	-20.09	-20.28	20.17	-32.30	-33.41	-33.77	-32.11
2300	-0.20	-20.08	-20.25	20.17	-32.62	-35.23	-31.23	-30.66
2400	-0.18	-20.20	-20.34	20.07	-32.04	-34.28	-28.86	-28.94
2500	-0.21	-20.49	-20.62	20.21	-33.16	-37.07	-29.14	-29.10
2600	-0.20	-20.93	-21.05	19.76	-34.09	-36.65	-29.48	-29.70
2700	-0.21	-21.62	-21.72	18.67	-35.47	-36.84	-30.90	-30.65
2800	-0.23	-22.59	-22.69	16.76	-37.75	-35.06	-30.19	-30.54
2900	-0.21	-23.77	-23.86	15.75	-39.48	-37.20	-29.34	-29.77
3000	-0.23	-25.49	-25.58	13.74	-43.92	-37.09	-28.01	-28.68
3100	-0.22	-27.98	-28.02	11.20	-35.93	-35.10	-27.03	-27.47
3200	-0.26	-31.91	-31.90	6.71	-33.92	-32.30	-25.81	-26.54
3300	-0.24	-37.82	-37.92	2.33	-30.30	-29.99	-25.42	-25.98

Surface Mount

Bi-Directional Coupler

BDCH-20-272+

Typical Performance Data

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

Freq. (MHz)	I. Loss (dB)	Coupling (dB)		Directivity (dB)	Return Loss (dB)			
	In - Out	In - Fwd	Out - Rev	In - Fwd	In	Out	Fwd	Rev
50	-0.03	-41.88	-41.88	37.47	-51.40	-51.83	-49.98	-49.84
100	-0.04	-35.90	-35.90	31.86	-36.60	-36.88	-37.27	-37.21
200	-0.06	-30.05	-30.05	25.93	-25.77	-25.67	-27.23	-27.33
300	-0.07	-26.73	-26.74	24.80	-26.15	-26.06	-26.35	-26.46
400	-0.07	-24.52	-24.53	24.28	-27.14	-26.96	-27.90	-27.72
500	-0.08	-22.94	-22.96	24.96	-29.14	-28.71	-30.84	-30.66
600	-0.09	-21.81	-21.83	24.71	-30.16	-29.73	-33.05	-32.69
700	-0.09	-21.00	-21.03	25.30	-34.94	-34.04	-34.22	-33.68
800	-0.10	-20.45	-20.48	24.97	-37.04	-35.86	-36.36	-36.19
900	-0.10	-20.12	-20.15	24.26	-42.36	-39.44	-42.29	-41.27
1000	-0.11	-19.96	-19.99	23.47	-36.32	-37.28	-41.70	-45.92
1100	-0.12	-19.95	-19.99	22.77	-30.98	-31.59	-35.26	-36.64
1200	-0.13	-20.06	-20.08	22.44	-27.10	-27.43	-30.55	-30.91
1300	-0.14	-20.24	-20.26	22.19	-24.90	-25.22	-27.73	-28.13
1350	-0.15	-20.36	-20.38	22.77	-24.20	-24.40	-26.88	-27.25
1400	-0.15	-20.44	-20.50	23.15	-23.69	-23.84	-26.08	-26.07
1450	-0.15	-20.55	-20.61	23.41	-23.31	-23.57	-25.60	-25.48
1500	-0.15	-20.65	-20.70	23.43	-23.52	-23.73	-25.67	-25.77
1550	-0.16	-20.73	-20.79	23.60	-23.61	-24.01	-25.72	-25.85
1600	-0.17	-20.77	-20.85	23.96	-23.67	-23.92	-25.83	-25.76
1650	-0.16	-20.79	-20.89	23.86	-23.80	-24.07	-26.13	-25.75
1700	-0.17	-20.80	-20.91	23.51	-24.60	-24.85	-27.08	-27.01
1750	-0.16	-20.78	-20.90	23.11	-25.65	-26.03	-28.25	-28.20
1800	-0.17	-20.74	-20.84	22.92	-26.53	-26.93	-29.45	-29.06
1850	-0.17	-20.68	-20.77	22.51	-27.57	-27.90	-30.91	-29.86
1900	-0.16	-20.58	-20.71	22.13	-29.46	-29.64	-33.38	-32.94
1950	-0.16	-20.49	-20.64	21.70	-32.06	-32.17	-35.70	-36.17
2000	-0.16	-20.39	-20.57	21.09	-34.67	-34.08	-36.75	-36.21
2100	-0.18	-20.22	-20.40	20.65	-40.87	-36.02	-35.88	-38.72
2200	-0.16	-20.11	-20.29	20.14	-33.77	-32.11	-32.30	-33.41
2300	-0.19	-20.10	-20.26	19.76	-31.23	-30.66	-32.62	-35.23
2400	-0.18	-20.22	-20.35	19.08	-28.86	-28.94	-32.04	-34.28
2500	-0.21	-20.50	-20.64	18.45	-29.14	-29.10	-33.16	-37.07
2600	-0.20	-20.95	-21.06	17.98	-29.48	-29.70	-34.09	-36.65
2700	-0.20	-21.63	-21.73	16.89	-30.90	-30.65	-35.47	-36.84
2800	-0.22	-22.61	-22.69	15.06	-30.19	-30.54	-37.75	-35.06
2900	-0.20	-23.78	-23.87	14.16	-29.34	-29.77	-39.48	-37.20
3000	-0.23	-25.51	-25.58	12.34	-28.01	-28.68	-43.92	-37.09
3100	-0.22	-27.99	-28.03	9.84	-27.03	-27.47	-35.93	-35.10
3200	-0.24	-31.93	-31.91	5.52	-25.81	-26.54	-33.92	-32.30
3300	-0.24	-37.85	-37.96	1.48	-25.42	-25.98	-30.30	-29.99

Surface Mount

Bi-Directional Coupler

BDCH-20-272+

Typical Performance Data

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

Freq. (MHz)	I. Loss (dB)	Coupling (dB)		Directivity (dB)	Return Loss (dB)			
	In - Out	In - Fwd	Out - Rev	In - Fwd	In	Out	Fwd	Rev
50	-0.04	-41.88	-41.88	36.61	-51.83	-51.40	-49.84	-49.98
100	-0.05	-35.90	-35.90	30.60	-36.88	-36.60	-37.21	-37.27
200	-0.06	-30.05	-30.05	25.76	-25.67	-25.77	-27.33	-27.23
300	-0.07	-26.74	-26.73	24.77	-26.06	-26.15	-26.46	-26.35
400	-0.08	-24.53	-24.52	24.17	-26.96	-27.14	-27.72	-27.90
500	-0.09	-22.96	-22.94	24.37	-28.71	-29.14	-30.66	-30.84
600	-0.09	-21.83	-21.81	24.11	-29.73	-30.16	-32.69	-33.05
700	-0.10	-21.03	-21.00	24.20	-34.04	-34.94	-33.68	-34.22
800	-0.10	-20.48	-20.45	23.60	-35.86	-37.04	-36.19	-36.36
900	-0.11	-20.15	-20.12	23.31	-39.44	-42.36	-41.27	-42.29
1000	-0.12	-19.99	-19.96	22.98	-37.28	-36.32	-45.92	-41.70
1100	-0.12	-19.99	-19.95	22.36	-31.59	-30.98	-36.64	-35.26
1200	-0.13	-20.08	-20.06	22.21	-27.43	-27.10	-30.91	-30.55
1300	-0.14	-20.26	-20.24	22.01	-25.22	-24.90	-28.13	-27.73
1350	-0.15	-20.38	-20.36	22.37	-24.40	-24.20	-27.25	-26.88
1400	-0.16	-20.50	-20.44	22.73	-23.84	-23.69	-26.07	-26.08
1450	-0.16	-20.61	-20.55	22.69	-23.57	-23.31	-25.48	-25.60
1500	-0.16	-20.70	-20.65	22.51	-23.73	-23.52	-25.77	-25.67
1550	-0.17	-20.79	-20.73	22.94	-24.01	-23.61	-25.85	-25.72
1600	-0.17	-20.85	-20.77	22.68	-23.92	-23.67	-25.76	-25.83
1650	-0.17	-20.89	-20.79	22.19	-24.07	-23.80	-25.75	-26.13
1700	-0.17	-20.91	-20.80	21.84	-24.85	-24.60	-27.01	-27.08
1750	-0.17	-20.90	-20.78	21.23	-26.03	-25.65	-28.20	-28.25
1800	-0.18	-20.84	-20.74	20.90	-26.93	-26.53	-29.06	-29.45
1850	-0.18	-20.77	-20.68	20.45	-27.90	-27.57	-29.86	-30.91
1900	-0.17	-20.71	-20.58	20.00	-29.64	-29.46	-32.94	-33.38
1950	-0.17	-20.64	-20.49	19.51	-32.17	-32.06	-36.17	-35.70
2000	-0.17	-20.57	-20.39	18.99	-34.08	-34.67	-36.21	-36.75
2100	-0.19	-20.40	-20.22	18.92	-36.02	-40.87	-38.72	-35.88
2200	-0.17	-20.29	-20.11	18.85	-32.11	-33.77	-33.41	-32.30
2300	-0.20	-20.26	-20.10	18.89	-30.66	-31.23	-35.23	-32.62
2400	-0.18	-20.35	-20.22	19.03	-28.94	-28.86	-34.28	-32.04
2500	-0.21	-20.64	-20.50	19.15	-29.10	-29.14	-37.07	-33.16
2600	-0.20	-21.06	-20.95	18.92	-29.70	-29.48	-36.65	-34.09
2700	-0.21	-21.73	-21.63	18.02	-30.65	-30.90	-36.84	-35.47
2800	-0.23	-22.69	-22.61	16.35	-30.54	-30.19	-35.06	-37.75
2900	-0.20	-23.87	-23.78	15.45	-29.77	-29.34	-37.20	-39.48
3000	-0.23	-25.58	-25.51	13.53	-28.68	-28.01	-37.09	-43.92
3100	-0.22	-28.03	-27.99	11.09	-27.47	-27.03	-35.10	-35.93
3200	-0.25	-31.91	-31.93	6.72	-26.54	-25.81	-32.30	-33.92
3300	-0.25	-37.96	-37.85	2.22	-25.98	-25.42	-29.99	-30.30

Surface Mount

Bi-Directional Coupler

BDCH-20-272+

Typical Performance Data

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

Freq. (MHz)	I. Loss (dB)	Coupling (dB)		Directivity (dB)	Return Loss (dB)			
	In - Out	In - Fwd	Out - Rev	In - Fwd	In	Out	Fwd	Rev
50	-0.03	-41.82	-41.83	35.66	-40.70	-40.77	-39.82	-39.61
100	-0.04	-35.85	-35.86	33.48	-35.46	-35.69	-35.02	-34.84
200	-0.05	-29.99	-29.99	30.18	-30.96	-30.85	-30.09	-30.10
300	-0.06	-26.69	-26.69	27.55	-28.64	-28.60	-27.90	-28.00
400	-0.07	-24.50	-24.49	26.08	-27.57	-27.67	-26.94	-27.13
500	-0.08	-22.95	-22.92	24.88	-27.69	-27.72	-26.91	-27.19
600	-0.08	-21.82	-21.79	23.97	-28.40	-28.48	-27.70	-28.05
700	-0.09	-21.02	-20.98	23.55	-30.43	-30.58	-29.82	-30.30
800	-0.09	-20.47	-20.43	23.20	-33.88	-34.11	-33.41	-34.47
900	-0.10	-20.14	-20.10	23.01	-41.18	-41.42	-39.88	-42.32
1000	-0.10	-19.99	-19.95	22.86	-43.78	-41.54	-37.62	-37.08
1100	-0.11	-20.00	-19.95	22.86	-35.24	-34.37	-31.68	-31.10
1200	-0.12	-20.10	-20.05	23.06	-31.27	-30.86	-28.28	-27.93
1300	-0.13	-20.31	-20.25	23.26	-28.97	-28.65	-26.26	-25.94
1350	-0.13	-20.41	-20.35	23.37	-28.24	-28.02	-25.48	-25.27
1400	-0.14	-20.52	-20.45	23.46	-27.64	-27.59	-25.11	-24.97
1450	-0.14	-20.63	-20.56	23.52	-27.34	-27.33	-24.81	-24.53
1500	-0.14	-20.73	-20.66	23.58	-27.37	-27.32	-24.67	-24.44
1550	-0.15	-20.82	-20.74	23.76	-27.22	-27.23	-24.62	-24.41
1600	-0.15	-20.89	-20.80	23.72	-27.55	-27.55	-24.74	-24.59
1650	-0.15	-20.94	-20.83	23.40	-27.71	-27.77	-25.01	-24.82
1700	-0.15	-20.96	-20.83	22.91	-28.31	-28.27	-25.42	-25.18
1750	-0.15	-20.94	-20.81	22.42	-28.87	-28.88	-26.03	-25.74
1800	-0.15	-20.90	-20.76	21.87	-29.71	-29.63	-26.83	-26.51
1850	-0.16	-20.85	-20.70	21.25	-30.38	-30.29	-27.70	-27.26
1900	-0.16	-20.78	-20.62	20.68	-31.71	-31.33	-28.86	-28.32
1950	-0.16	-20.69	-20.52	20.13	-33.22	-32.56	-30.47	-29.83
2000	-0.16	-20.59	-20.44	19.83	-34.60	-33.62	-32.11	-31.45
2100	-0.17	-20.44	-20.26	19.03	-38.92	-35.49	-36.75	-35.34
2200	-0.17	-20.32	-20.13	18.35	-44.03	-35.55	-38.81	-37.41
2300	-0.18	-20.31	-20.12	17.83	-43.33	-35.34	-34.69	-34.91
2400	-0.19	-20.40	-20.22	17.40	-39.90	-33.79	-31.16	-31.33
2500	-0.20	-20.67	-20.50	16.88	-37.97	-33.55	-29.36	-29.61
2600	-0.19	-21.09	-20.93	16.44	-37.10	-33.57	-28.01	-28.24
2700	-0.20	-21.76	-21.64	15.77	-36.11	-33.74	-27.52	-27.69
2800	-0.21	-22.65	-22.53	15.02	-35.82	-34.77	-27.26	-27.33
2900	-0.22	-23.94	-23.84	13.73	-35.72	-35.07	-27.54	-27.45
3000	-0.23	-25.66	-25.66	11.88	-35.53	-35.77	-27.67	-27.60
3100	-0.23	-28.06	-27.99	9.69	-34.81	-35.22	-28.04	-27.81
3200	-0.24	-31.74	-31.63	6.00	-34.30	-34.15	-28.01	-27.80
3300	-0.24	-38.56	-38.44	0.97	-32.94	-32.46	-28.18	-27.87

Bi-Directional Coupler

BDCH-20-272+

Typical Performance Data

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

Freq. (MHz)	I. Loss (dB)	Coupling (dB)		Directivity (dB)	Return Loss (dB)			
	In - Out	In - Fwd	Out - Rev	In - Fwd	In	Out	Fwd	Rev
50	-0.02	-41.83	-41.82	36.78	-40.77	-40.70	-39.61	-39.82
100	-0.03	-35.86	-35.85	33.47	-35.69	-35.46	-34.84	-35.02
200	-0.04	-29.99	-29.99	29.85	-30.85	-30.96	-30.10	-30.09
300	-0.05	-26.69	-26.69	27.48	-28.60	-28.64	-28.00	-27.90
400	-0.06	-24.49	-24.50	25.95	-27.67	-27.57	-27.13	-26.94
500	-0.07	-22.92	-22.95	24.92	-27.72	-27.69	-27.19	-26.91
600	-0.08	-21.79	-21.82	24.06	-28.48	-28.40	-28.05	-27.70
700	-0.08	-20.98	-21.02	23.51	-30.58	-30.43	-30.30	-29.82
800	-0.09	-20.43	-20.47	22.94	-34.11	-33.88	-34.47	-33.41
900	-0.10	-20.10	-20.14	22.42	-41.42	-41.18	-42.32	-39.88
1000	-0.10	-19.95	-19.99	21.89	-41.54	-43.78	-37.08	-37.62
1100	-0.11	-19.95	-20.00	21.63	-34.37	-35.24	-31.10	-31.68
1200	-0.12	-20.05	-20.10	21.37	-30.86	-31.27	-27.93	-28.28
1300	-0.13	-20.25	-20.31	21.41	-28.65	-28.97	-25.94	-26.26
1350	-0.13	-20.35	-20.41	21.41	-28.02	-28.24	-25.27	-25.48
1400	-0.13	-20.45	-20.52	21.44	-27.59	-27.64	-24.97	-25.11
1450	-0.14	-20.56	-20.63	21.46	-27.33	-27.34	-24.53	-24.81
1500	-0.14	-20.66	-20.73	21.52	-27.32	-27.37	-24.44	-24.67
1550	-0.15	-20.74	-20.82	21.48	-27.23	-27.22	-24.41	-24.62
1600	-0.15	-20.80	-20.89	21.61	-27.55	-27.55	-24.59	-24.74
1650	-0.15	-20.83	-20.94	21.49	-27.77	-27.71	-24.82	-25.01
1700	-0.15	-20.83	-20.96	21.39	-28.27	-28.31	-25.18	-25.42
1750	-0.15	-20.81	-20.94	21.22	-28.88	-28.87	-25.74	-26.03
1800	-0.15	-20.76	-20.90	21.10	-29.63	-29.71	-26.51	-26.83
1850	-0.16	-20.70	-20.85	20.87	-30.29	-30.38	-27.26	-27.70
1900	-0.16	-20.62	-20.78	20.58	-31.33	-31.71	-28.32	-28.86
1950	-0.16	-20.52	-20.69	20.45	-32.56	-33.22	-29.83	-30.47
2000	-0.16	-20.44	-20.59	20.30	-33.62	-34.60	-31.45	-32.11
2100	-0.17	-20.26	-20.44	20.08	-35.49	-38.92	-35.34	-36.75
2200	-0.17	-20.13	-20.32	19.61	-35.55	-44.03	-37.41	-38.81
2300	-0.18	-20.12	-20.31	19.32	-35.34	-43.33	-34.91	-34.69
2400	-0.19	-20.22	-20.40	18.93	-33.79	-39.90	-31.33	-31.16
2500	-0.19	-20.50	-20.67	18.68	-33.55	-37.97	-29.61	-29.36
2600	-0.19	-20.93	-21.09	18.29	-33.57	-37.10	-28.24	-28.01
2700	-0.20	-21.64	-21.76	17.64	-33.74	-36.11	-27.69	-27.52
2800	-0.20	-22.53	-22.65	16.79	-34.77	-35.82	-27.33	-27.26
2900	-0.21	-23.84	-23.94	15.43	-35.07	-35.72	-27.45	-27.54
3000	-0.22	-25.66	-25.66	13.29	-35.77	-35.53	-27.60	-27.67
3100	-0.23	-27.99	-28.06	11.14	-35.22	-34.81	-27.81	-28.04
3200	-0.23	-31.63	-31.74	7.27	-34.15	-34.30	-27.80	-28.01
3300	-0.23	-38.44	-38.56	0.54	-32.46	-32.94	-27.87	-28.18

Surface Mount

Bi-Directional Coupler

BDCH-20-272+

Typical Performance Data

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

Freq. (MHz)	I. Loss (dB)	Coupling (dB)		Directivity (dB)	Return Loss (dB)			
	In - Out	In - Fwd	Out - Rev	In - Fwd	In	Out	Fwd	Rev
50	-0.02	-41.82	-41.82	36.40	-39.61	-39.82	-40.77	-40.70
100	-0.03	-35.85	-35.85	33.68	-34.84	-35.02	-35.69	-35.46
200	-0.04	-29.98	-30.00	29.66	-30.10	-30.09	-30.85	-30.96
300	-0.06	-26.69	-26.70	27.36	-28.00	-27.90	-28.60	-28.64
400	-0.07	-24.49	-24.51	25.92	-27.13	-26.94	-27.67	-27.57
500	-0.08	-22.92	-22.95	25.12	-27.19	-26.91	-27.72	-27.69
600	-0.08	-21.79	-21.83	24.46	-28.05	-27.70	-28.48	-28.40
700	-0.09	-20.98	-21.03	24.10	-30.30	-29.82	-30.58	-30.43
800	-0.09	-20.43	-20.48	23.59	-34.47	-33.41	-34.11	-33.88
900	-0.09	-20.11	-20.15	23.08	-42.32	-39.88	-41.42	-41.18
1000	-0.10	-19.95	-20.00	22.52	-37.08	-37.62	-41.54	-43.78
1100	-0.11	-19.95	-20.01	22.18	-31.10	-31.68	-34.37	-35.24
1200	-0.12	-20.05	-20.11	21.98	-27.93	-28.28	-30.86	-31.27
1300	-0.13	-20.24	-20.31	22.12	-25.94	-26.26	-28.65	-28.97
1350	-0.14	-20.34	-20.42	22.29	-25.27	-25.48	-28.02	-28.24
1400	-0.14	-20.44	-20.52	22.39	-24.97	-25.11	-27.59	-27.64
1450	-0.14	-20.56	-20.64	22.64	-24.53	-24.81	-27.33	-27.34
1500	-0.15	-20.66	-20.74	22.81	-24.44	-24.67	-27.32	-27.37
1550	-0.15	-20.74	-20.83	23.15	-24.41	-24.62	-27.23	-27.22
1600	-0.15	-20.79	-20.90	23.40	-24.59	-24.74	-27.55	-27.55
1650	-0.15	-20.82	-20.95	23.40	-24.82	-25.01	-27.77	-27.71
1700	-0.16	-20.82	-20.97	23.13	-25.18	-25.42	-28.27	-28.31
1750	-0.16	-20.80	-20.95	22.95	-25.74	-26.03	-28.88	-28.87
1800	-0.16	-20.75	-20.91	22.53	-26.51	-26.83	-29.63	-29.71
1850	-0.16	-20.69	-20.86	22.24	-27.26	-27.70	-30.29	-30.38
1900	-0.16	-20.62	-20.79	21.82	-28.32	-28.86	-31.33	-31.71
1950	-0.16	-20.53	-20.70	21.44	-29.83	-30.47	-32.56	-33.22
2000	-0.16	-20.43	-20.60	21.08	-31.45	-32.11	-33.62	-34.60
2100	-0.17	-20.26	-20.45	20.49	-35.34	-36.75	-35.49	-38.92
2200	-0.17	-20.14	-20.32	19.63	-37.41	-38.81	-35.55	-44.03
2300	-0.18	-20.12	-20.32	19.00	-34.91	-34.69	-35.34	-43.33
2400	-0.18	-20.23	-20.41	18.17	-31.33	-31.16	-33.79	-39.90
2500	-0.20	-20.50	-20.68	17.38	-29.61	-29.36	-33.55	-37.97
2600	-0.20	-20.95	-21.09	16.73	-28.24	-28.01	-33.57	-37.10
2700	-0.20	-21.64	-21.77	15.82	-27.69	-27.52	-33.74	-36.11
2800	-0.21	-22.54	-22.65	14.97	-27.33	-27.26	-34.77	-35.82
2900	-0.22	-23.84	-23.95	13.66	-27.45	-27.54	-35.07	-35.72
3000	-0.23	-25.66	-25.67	11.77	-27.60	-27.67	-35.77	-35.53
3100	-0.23	-27.99	-28.07	9.68	-27.81	-28.04	-35.22	-34.81
3200	-0.24	-31.64	-31.75	6.09	-27.80	-28.01	-34.15	-34.30
3300	-0.24	-38.46	-38.62	0.79	-27.87	-28.18	-32.46	-32.94

Surface Mount

Bi-Directional Coupler

BDCH-20-272+

Typical Performance Data

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

Freq. (MHz)	I. Loss (dB)	Coupling (dB)		Directivity (dB)	Return Loss (dB)			
	In - Out	In - Fwd	Out - Rev	In - Fwd	In	Out	Fwd	Rev
50	-0.03	-41.82	-41.82	36.63	-39.82	-39.61	-40.70	-40.77
100	-0.04	-35.85	-35.85	33.20	-35.02	-34.84	-35.46	-35.69
200	-0.05	-30.00	-29.98	29.51	-30.09	-30.10	-30.96	-30.85
300	-0.07	-26.70	-26.69	27.03	-27.90	-28.00	-28.64	-28.60
400	-0.07	-24.51	-24.49	25.27	-26.94	-27.13	-27.57	-27.67
500	-0.08	-22.95	-22.92	24.23	-26.91	-27.19	-27.69	-27.72
600	-0.08	-21.83	-21.79	23.38	-27.70	-28.05	-28.40	-28.48
700	-0.09	-21.03	-20.98	23.08	-29.82	-30.30	-30.43	-30.58
800	-0.09	-20.48	-20.43	22.75	-33.41	-34.47	-33.88	-34.11
900	-0.10	-20.15	-20.11	22.54	-39.88	-42.32	-41.18	-41.42
1000	-0.11	-20.00	-19.95	22.38	-37.62	-37.08	-43.78	-41.54
1100	-0.11	-20.01	-19.95	22.30	-31.68	-31.10	-35.24	-34.37
1200	-0.13	-20.11	-20.05	22.23	-28.28	-27.93	-31.27	-30.86
1300	-0.13	-20.31	-20.24	22.25	-26.26	-25.94	-28.97	-28.65
1350	-0.14	-20.42	-20.34	22.18	-25.48	-25.27	-28.24	-28.02
1400	-0.15	-20.52	-20.44	22.15	-25.11	-24.97	-27.64	-27.59
1450	-0.15	-20.64	-20.56	22.07	-24.81	-24.53	-27.34	-27.33
1500	-0.15	-20.74	-20.66	22.02	-24.67	-24.44	-27.37	-27.32
1550	-0.16	-20.83	-20.74	21.79	-24.62	-24.41	-27.22	-27.23
1600	-0.16	-20.90	-20.79	21.72	-24.74	-24.59	-27.55	-27.55
1650	-0.16	-20.95	-20.82	21.45	-25.01	-24.82	-27.71	-27.77
1700	-0.16	-20.97	-20.82	21.15	-25.42	-25.18	-28.31	-28.27
1750	-0.16	-20.95	-20.80	20.73	-26.03	-25.74	-28.87	-28.88
1800	-0.17	-20.91	-20.75	20.41	-26.83	-26.51	-29.71	-29.63
1850	-0.17	-20.86	-20.69	20.03	-27.70	-27.26	-30.38	-30.29
1900	-0.17	-20.79	-20.62	19.69	-28.86	-28.32	-31.71	-31.33
1950	-0.16	-20.70	-20.53	19.36	-30.47	-29.83	-33.22	-32.56
2000	-0.17	-20.60	-20.43	19.21	-32.11	-31.45	-34.60	-33.62
2100	-0.17	-20.45	-20.26	18.86	-36.75	-35.34	-38.92	-35.49
2200	-0.17	-20.32	-20.14	18.52	-38.81	-37.41	-44.03	-35.55
2300	-0.19	-20.32	-20.12	18.27	-34.69	-34.91	-43.33	-35.34
2400	-0.18	-20.41	-20.23	18.15	-31.16	-31.33	-39.90	-33.79
2500	-0.20	-20.68	-20.50	17.99	-29.36	-29.61	-37.97	-33.55
2600	-0.20	-21.09	-20.95	17.82	-28.01	-28.24	-37.10	-33.57
2700	-0.21	-21.77	-21.64	17.31	-27.52	-27.69	-36.11	-33.74
2800	-0.21	-22.65	-22.54	16.56	-27.26	-27.33	-35.82	-34.77
2900	-0.23	-23.95	-23.84	15.28	-27.54	-27.45	-35.72	-35.07
3000	-0.23	-25.67	-25.66	13.28	-27.67	-27.60	-35.53	-35.77
3100	-0.23	-28.07	-27.99	11.06	-28.04	-27.81	-34.81	-35.22
3200	-0.25	-31.75	-31.64	7.16	-28.01	-27.80	-34.30	-34.15
3300	-0.24	-38.62	-38.46	0.50	-28.18	-27.87	-32.94	-32.46

Surface Mount

Bi-Directional Coupler

BDCH-20-272+

Typical Performance Data

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

Freq. (MHz)	I. Loss (dB)	Coupling (dB)		Directivity (dB)	Return Loss (dB)			
	In - Out	In - Fwd	Out - Rev	In - Fwd	In	Out	Fwd	Rev
50	-0.03	-41.77	-41.78	33.51	-35.59	-35.66	-34.45	-34.34
100	-0.04	-35.81	-35.81	31.23	-32.41	-32.53	-32.23	-32.22
200	-0.05	-29.95	-29.94	32.03	-34.71	-34.67	-35.94	-36.13
300	-0.07	-26.66	-26.65	31.62	-34.34	-34.54	-32.60	-32.84
400	-0.08	-24.48	-24.46	28.48	-30.30	-30.50	-28.54	-28.86
500	-0.09	-22.93	-22.90	26.33	-28.64	-28.79	-27.77	-28.15
600	-0.10	-21.81	-21.77	25.26	-28.60	-28.72	-28.16	-28.57
700	-0.10	-21.02	-20.97	24.58	-29.29	-29.41	-28.51	-28.93
800	-0.11	-20.46	-20.41	23.73	-30.59	-30.70	-29.81	-30.48
900	-0.12	-20.15	-20.09	23.30	-32.82	-33.10	-32.94	-34.08
1000	-0.12	-20.00	-19.94	22.77	-37.93	-38.02	-38.48	-40.67
1100	-0.13	-20.00	-19.94	22.25	-45.40	-44.80	-38.43	-38.54
1200	-0.14	-20.11	-20.04	22.16	-37.07	-36.50	-31.85	-31.46
1300	-0.14	-20.32	-20.27	22.37	-31.57	-31.16	-27.92	-27.60
1350	-0.15	-20.43	-20.36	22.30	-29.65	-29.37	-26.34	-26.16
1400	-0.16	-20.55	-20.46	22.41	-28.17	-28.06	-25.41	-25.26
1450	-0.16	-20.67	-20.57	22.54	-27.20	-27.11	-24.60	-24.34
1500	-0.17	-20.77	-20.68	22.51	-26.63	-26.48	-24.04	-23.85
1550	-0.17	-20.86	-20.79	23.04	-25.97	-25.97	-23.76	-23.52
1600	-0.18	-20.93	-20.81	22.95	-25.74	-25.70	-23.49	-23.36
1650	-0.17	-20.98	-20.84	22.63	-25.53	-25.51	-23.47	-23.28
1700	-0.18	-21.00	-20.85	22.27	-25.72	-25.61	-23.63	-23.43
1750	-0.19	-20.99	-20.84	21.73	-25.94	-25.89	-24.07	-23.84
1800	-0.19	-20.95	-20.79	21.39	-26.53	-26.44	-24.69	-24.41
1850	-0.19	-20.88	-20.72	20.79	-27.09	-26.91	-25.46	-25.12
1900	-0.19	-20.81	-20.65	20.14	-27.98	-27.76	-26.40	-26.00
1950	-0.19	-20.74	-20.56	19.45	-29.33	-28.94	-27.89	-27.37
2000	-0.19	-20.65	-20.46	18.82	-30.70	-30.31	-29.47	-28.88
2100	-0.20	-20.47	-20.28	18.15	-35.53	-33.64	-35.01	-33.36
2200	-0.20	-20.37	-20.15	17.69	-44.35	-35.85	-41.64	-37.80
2300	-0.21	-20.35	-20.12	17.14	-42.17	-35.44	-35.35	-35.19
2400	-0.21	-20.43	-20.22	16.75	-36.65	-32.64	-30.74	-30.90
2500	-0.23	-20.72	-20.51	16.50	-34.18	-31.55	-28.65	-28.94
2600	-0.23	-21.14	-20.96	16.20	-33.34	-30.67	-27.14	-27.43
2700	-0.24	-21.81	-21.66	15.59	-32.98	-30.68	-26.59	-26.96
2800	-0.26	-22.69	-22.57	15.08	-33.28	-31.38	-26.22	-26.50
2900	-0.26	-23.95	-23.82	13.85	-33.88	-31.51	-26.15	-26.37
3000	-0.27	-25.59	-25.55	12.25	-34.43	-32.17	-26.00	-26.28
3100	-0.26	-28.23	-28.05	9.43	-34.51	-32.11	-25.98	-26.37
3200	-0.28	-31.67	-31.61	5.79	-33.35	-32.27	-26.01	-26.26
3300	-0.27	-38.64	-38.31	0.91	-32.25	-30.81	-26.12	-26.44

Surface Mount

Bi-Directional Coupler

BDCH-20-272+

Typical Performance Data

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

Freq. (MHz)	I. Loss (dB)	Coupling (dB)		Directivity (dB)	Return Loss (dB)			
	In - Out	In - Fwd	Out - Rev	In - Fwd	In	Out	Fwd	Rev
50	-0.02	-41.78	-41.77	33.81	-35.66	-35.59	-34.34	-34.45
100	-0.03	-35.81	-35.81	31.50	-32.53	-32.41	-32.22	-32.23
200	-0.05	-29.94	-29.95	31.93	-34.67	-34.71	-36.13	-35.94
300	-0.06	-26.65	-26.66	32.03	-34.54	-34.34	-32.84	-32.60
400	-0.07	-24.46	-24.48	28.49	-30.50	-30.30	-28.86	-28.54
500	-0.08	-22.90	-22.93	26.43	-28.79	-28.64	-28.15	-27.77
600	-0.09	-21.77	-21.81	25.43	-28.72	-28.60	-28.57	-28.16
700	-0.10	-20.97	-21.02	24.59	-29.41	-29.29	-28.93	-28.51
800	-0.10	-20.41	-20.46	23.37	-30.70	-30.59	-30.48	-29.81
900	-0.11	-20.09	-20.15	22.59	-33.10	-32.82	-34.08	-32.94
1000	-0.12	-19.94	-20.00	21.75	-38.02	-37.93	-40.67	-38.48
1100	-0.13	-19.94	-20.00	21.00	-44.80	-45.40	-38.54	-38.43
1200	-0.13	-20.04	-20.11	20.46	-36.50	-37.07	-31.46	-31.85
1300	-0.14	-20.27	-20.32	20.54	-31.16	-31.57	-27.60	-27.92
1350	-0.15	-20.36	-20.43	20.33	-29.37	-29.65	-26.16	-26.34
1400	-0.15	-20.46	-20.55	20.45	-28.06	-28.17	-25.26	-25.41
1450	-0.16	-20.57	-20.67	20.52	-27.11	-27.20	-24.34	-24.60
1500	-0.16	-20.68	-20.77	20.43	-26.48	-26.63	-23.85	-24.04
1550	-0.17	-20.79	-20.86	21.22	-25.97	-25.97	-23.52	-23.76
1600	-0.17	-20.81	-20.93	21.12	-25.70	-25.74	-23.36	-23.49
1650	-0.17	-20.84	-20.98	21.07	-25.51	-25.53	-23.28	-23.47
1700	-0.18	-20.85	-21.00	20.89	-25.61	-25.72	-23.43	-23.63
1750	-0.18	-20.84	-20.99	20.81	-25.89	-25.94	-23.84	-24.07
1800	-0.18	-20.79	-20.95	20.74	-26.44	-26.53	-24.41	-24.69
1850	-0.18	-20.72	-20.88	20.60	-26.91	-27.09	-25.12	-25.46
1900	-0.19	-20.65	-20.81	20.21	-27.76	-27.98	-26.00	-26.40
1950	-0.18	-20.56	-20.74	19.92	-28.94	-29.33	-27.37	-27.89
2000	-0.19	-20.46	-20.65	19.39	-30.31	-30.70	-28.88	-29.47
2100	-0.19	-20.28	-20.47	19.11	-33.64	-35.53	-33.36	-35.01
2200	-0.20	-20.15	-20.37	18.71	-35.85	-44.35	-37.80	-41.64
2300	-0.20	-20.12	-20.35	18.22	-35.44	-42.17	-35.19	-35.35
2400	-0.21	-20.22	-20.43	17.85	-32.64	-36.65	-30.90	-30.74
2500	-0.22	-20.51	-20.72	17.78	-31.55	-34.18	-28.94	-28.65
2600	-0.22	-20.96	-21.14	17.49	-30.67	-33.34	-27.43	-27.14
2700	-0.23	-21.66	-21.81	16.99	-30.68	-32.98	-26.96	-26.59
2800	-0.24	-22.57	-22.69	16.25	-31.38	-33.28	-26.50	-26.22
2900	-0.25	-23.82	-23.95	15.66	-31.51	-33.88	-26.37	-26.15
3000	-0.25	-25.55	-25.59	14.01	-32.17	-34.43	-26.28	-26.00
3100	-0.25	-28.05	-28.23	10.92	-32.11	-34.51	-26.37	-25.98
3200	-0.27	-31.61	-31.67	7.40	-32.27	-33.35	-26.26	-26.01
3300	-0.26	-38.31	-38.64	0.51	-30.81	-32.25	-26.44	-26.12

Surface Mount

Bi-Directional Coupler

BDCH-20-272+

Typical Performance Data

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

Freq. (MHz)	I. Loss (dB)	Coupling (dB)		Directivity (dB)	Return Loss (dB)			
	In - Out	In - Fwd	Out - Rev	In - Fwd	In	Out	Fwd	Rev
50	-0.03	-41.77	-41.78	33.48	-34.34	-34.45	-35.66	-35.59
100	-0.04	-35.81	-35.81	30.87	-32.22	-32.23	-32.53	-32.41
200	-0.05	-29.94	-29.95	31.21	-36.13	-35.94	-34.67	-34.71
300	-0.07	-26.65	-26.66	31.25	-32.84	-32.60	-34.54	-34.34
400	-0.08	-24.46	-24.48	28.32	-28.86	-28.54	-30.50	-30.30
500	-0.09	-22.90	-22.93	26.61	-28.15	-27.77	-28.79	-28.64
600	-0.10	-21.78	-21.81	25.83	-28.57	-28.16	-28.72	-28.60
700	-0.11	-20.97	-21.02	25.23	-28.93	-28.51	-29.41	-29.29
800	-0.11	-20.42	-20.47	24.21	-30.48	-29.81	-30.70	-30.59
900	-0.12	-20.10	-20.16	23.48	-34.08	-32.94	-33.10	-32.82
1000	-0.13	-19.94	-20.00	22.55	-40.67	-38.48	-38.02	-37.93
1100	-0.13	-19.94	-20.01	21.71	-38.54	-38.43	-44.80	-45.40
1200	-0.15	-20.04	-20.11	21.24	-31.46	-31.85	-36.50	-37.07
1300	-0.15	-20.27	-20.32	21.31	-27.60	-27.92	-31.16	-31.57
1350	-0.16	-20.36	-20.43	21.32	-26.16	-26.34	-29.37	-29.65
1400	-0.17	-20.46	-20.55	21.45	-25.26	-25.41	-28.06	-28.17
1450	-0.17	-20.57	-20.67	21.75	-24.34	-24.60	-27.11	-27.20
1500	-0.18	-20.68	-20.77	21.84	-23.85	-24.04	-26.48	-26.63
1550	-0.19	-20.78	-20.87	22.48	-23.52	-23.76	-25.97	-25.97
1600	-0.19	-20.81	-20.93	22.70	-23.36	-23.49	-25.70	-25.74
1650	-0.18	-20.84	-20.98	22.69	-23.28	-23.47	-25.51	-25.53
1700	-0.19	-20.85	-21.01	22.52	-23.43	-23.63	-25.61	-25.72
1750	-0.20	-20.84	-20.99	22.25	-23.84	-24.07	-25.89	-25.94
1800	-0.20	-20.78	-20.95	22.09	-24.41	-24.69	-26.44	-26.53
1850	-0.19	-20.72	-20.88	21.75	-25.12	-25.46	-26.91	-27.09
1900	-0.20	-20.65	-20.81	21.23	-26.00	-26.40	-27.76	-27.98
1950	-0.19	-20.56	-20.74	20.68	-27.37	-27.89	-28.94	-29.33
2000	-0.20	-20.46	-20.65	19.97	-28.88	-29.47	-30.31	-30.70
2100	-0.20	-20.28	-20.47	19.43	-33.36	-35.01	-33.64	-35.53
2200	-0.21	-20.16	-20.37	18.79	-37.80	-41.64	-35.85	-44.35
2300	-0.21	-20.13	-20.35	18.08	-35.19	-35.35	-35.44	-42.17
2400	-0.22	-20.24	-20.43	17.31	-30.90	-30.74	-32.64	-36.65
2500	-0.24	-20.51	-20.71	16.84	-28.94	-28.65	-31.55	-34.18
2600	-0.24	-20.97	-21.13	16.33	-27.43	-27.14	-30.67	-33.34
2700	-0.25	-21.66	-21.80	15.54	-26.96	-26.59	-30.68	-32.98
2800	-0.27	-22.58	-22.68	14.96	-26.50	-26.22	-31.38	-33.28
2900	-0.28	-23.83	-23.94	13.75	-26.37	-26.15	-31.51	-33.88
3000	-0.28	-25.56	-25.59	12.16	-26.28	-26.00	-32.17	-34.43
3100	-0.27	-28.05	-28.23	9.53	-26.37	-25.98	-32.11	-34.51
3200	-0.29	-31.63	-31.66	5.83	-26.26	-26.01	-32.27	-33.35
3300	-0.28	-38.31	-38.64	0.57	-26.44	-26.12	-30.81	-32.25

Surface Mount

Bi-Directional Coupler

BDCH-20-272+

Typical Performance Data

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

Freq. (MHz)	I. Loss (dB)	Coupling (dB)		Directivity (dB)	Return Loss (dB)			
	In - Out	In - Fwd	Out - Rev	In - Fwd	In	Out	Fwd	Rev
50	-0.03	-41.78	-41.77	33.61	-34.45	-34.34	-35.59	-35.66
100	-0.04	-35.81	-35.81	30.92	-32.23	-32.22	-32.41	-32.53
200	-0.05	-29.95	-29.94	31.05	-35.94	-36.13	-34.71	-34.67
300	-0.07	-26.66	-26.65	31.28	-32.60	-32.84	-34.34	-34.54
400	-0.08	-24.48	-24.46	27.62	-28.54	-28.86	-30.30	-30.50
500	-0.09	-22.93	-22.90	25.62	-27.77	-28.15	-28.64	-28.79
600	-0.10	-21.81	-21.78	24.64	-28.16	-28.57	-28.60	-28.72
700	-0.11	-21.02	-20.97	24.06	-28.51	-28.93	-29.29	-29.41
800	-0.11	-20.47	-20.42	23.12	-29.81	-30.48	-30.59	-30.70
900	-0.12	-20.16	-20.10	22.60	-32.94	-34.08	-32.82	-33.10
1000	-0.12	-20.00	-19.94	22.13	-38.48	-40.67	-37.93	-38.02
1100	-0.13	-20.01	-19.94	21.56	-38.43	-38.54	-45.40	-44.80
1200	-0.14	-20.11	-20.04	21.20	-31.85	-31.46	-37.07	-36.50
1300	-0.15	-20.32	-20.27	21.31	-27.92	-27.60	-31.57	-31.16
1350	-0.16	-20.43	-20.36	21.01	-26.34	-26.16	-29.65	-29.37
1400	-0.17	-20.55	-20.46	21.07	-25.41	-25.26	-28.17	-28.06
1450	-0.17	-20.67	-20.57	21.03	-24.60	-24.34	-27.20	-27.11
1500	-0.18	-20.77	-20.68	20.85	-24.04	-23.85	-26.63	-26.48
1550	-0.19	-20.87	-20.78	21.52	-23.76	-23.52	-25.97	-25.97
1600	-0.19	-20.93	-20.81	21.19	-23.49	-23.36	-25.74	-25.70
1650	-0.18	-20.98	-20.84	20.99	-23.47	-23.28	-25.53	-25.51
1700	-0.19	-21.01	-20.85	20.63	-23.63	-23.43	-25.72	-25.61
1750	-0.20	-20.99	-20.84	20.32	-24.07	-23.84	-25.94	-25.89
1800	-0.20	-20.95	-20.78	20.06	-24.69	-24.41	-26.53	-26.44
1850	-0.20	-20.88	-20.72	19.80	-25.46	-25.12	-27.09	-26.91
1900	-0.20	-20.81	-20.65	19.37	-26.40	-26.00	-27.98	-27.76
1950	-0.19	-20.74	-20.56	18.92	-27.89	-27.37	-29.33	-28.94
2000	-0.20	-20.65	-20.46	18.43	-29.47	-28.88	-30.70	-30.31
2100	-0.20	-20.47	-20.28	18.05	-35.01	-33.36	-35.53	-33.64
2200	-0.20	-20.37	-20.16	17.82	-41.64	-37.80	-44.35	-35.85
2300	-0.21	-20.35	-20.13	17.40	-35.35	-35.19	-42.17	-35.44
2400	-0.21	-20.43	-20.24	17.30	-30.74	-30.90	-36.65	-32.64
2500	-0.24	-20.71	-20.51	17.30	-28.65	-28.94	-34.18	-31.55
2600	-0.23	-21.13	-20.97	17.22	-27.14	-27.43	-33.34	-30.67
2700	-0.25	-21.80	-21.66	16.85	-26.59	-26.96	-32.98	-30.68
2800	-0.26	-22.68	-22.58	16.17	-26.22	-26.50	-33.28	-31.38
2900	-0.28	-23.94	-23.83	15.61	-26.15	-26.37	-33.88	-31.51
3000	-0.27	-25.59	-25.56	14.01	-26.00	-26.28	-34.43	-32.17
3100	-0.27	-28.23	-28.05	10.76	-25.98	-26.37	-34.51	-32.11
3200	-0.28	-31.66	-31.63	7.39	-26.01	-26.26	-33.35	-32.27
3300	-0.28	-38.64	-38.31	0.45	-26.12	-26.44	-32.25	-30.81