Surface Mount

Bi-Directional Coupler

BDCH-35-272+

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	-0.02	-54.94	-54.95	25.53	-45.09	-45.30	-44.49	-44.59
100	-0.03	-48.99	-48.99	25.05	-35.38	-35.42	-36.29	-36.31
200	-0.04	-43.16	-43.16	24.22	-26.29	-26.37	-26.96	-27.14
300	-0.06	-39.90	-39.90	25.27	-26.03	-26.09	-25.15	-25.21
400	-0.06	-37.75	-37.75	26.17	-26.03	-26.10	-25.38	-25.38
500	-0.08	-36.26	-36.26	26.37	-25.79	-25.79	-25.73	-25.63
600	-0.09	-35.22	-35.22	25.80	-25.57	-25.40	-25.60	-25.46
700	-0.10	-34.53	-34.52	25.37	-25.97	-25.55	-24.77	-24.37
800	-0.10	-34.08	-34.09	24.49	-25.90	-24.93	-24.77	-24.12
900	-0.11	-33.93	-33.94	24.26	-25.62	-24.04	-25.49	-24.11
1000	-0.12	-33.96	-33.99	24.31	-25.49	-23.45	-25.04	-23.28
1100	-0.13	-34.18	-34.20	23.66	-24.48	-22.65	-24.62	-22.80
1200	-0.15	-34.53	-34.60	23.42	-22.95	-21.50	-23.81	-22.11
1300	-0.16	-34.95	-35.02	22.56	-21.51	-20.55	-22.31	-21.20
1350	-0.17	-35.16	-35.49	24.60	-20.78	-19.95	-21.87	-20.80
1400	-0.18	-35.60	-35.55	24.26	-20.12	-19.61	-21.25	-20.51
1450	-0.18	-35.63	-35.82	22.75	-19.76	-19.39	-20.63	-20.15
1500	-0.19	-35.94	-35.96	22.85	-19.49	-19.30	-20.10	-19.95
1550	-0.19	-35.99	-36.18	23.35	-19.32	-19.23	-19.80	-19.74
1600	-0.19	-36.17	-36.15	21.89	-19.19	-19.23	-19.67	-19.64
1650	-0.19	-36.22	-36.21	20.81	-19.10	-19.31	-19.55	-19.71
1700	-0.20	-36.19	-36.03	18.68	-19.18	-19.50	-19.55	-19.95
1750	-0.20	-36.10	-35.88	18.38	-19.30	-19.79	-19.72	-20.36
1800	-0.20	-35.76	-35.95	19.38	-19.52	-20.01	-20.25	-20.77
1850	-0.20	-35.58	-35.61	17.92	-19.74	-20.40	-20.72	-21.42
1900	-0.20	-35.40	-35.29	17.83	-20.10	-20.85	-21.19	-22.22
1950	-0.20	-35.14	-35.07	17.30	-20.68	-21.50	-21.94	-23.15
2000	-0.19	-34.95	-34.87	16.57	-21.39	-22.30	-22.94	-24.07
2100	-0.19	-34.55	-34.36	17.06	-23.51	-24.53	-24.90	-26.42
2200	-0.19	-34.22	-34.05	16.45	-27.01	-28.21	-28.01	-29.94
2300	-0.18	-33.98	-33.85	16.11	-32.98	-35.46	-33.50	-36.19
2400	-0.18	-34.06	-33.93	15.95	-41.68	-52.35	-46.34	-54.25
2500	-0.19	-34.21	-34.15	16.05	-38.01	-37.96	-36.97	-37.47
2600	-0.19	-34.66	-34.65	15.49	-37.30	-37.10	-33.14	-33.66
2700	-0.19	-35.30	-35.22	14.85	-36.95	-38.30	-30.44	-31.09
2800	-0.19	-36.35	-36.40	12.77	-31.95	-33.87	-27.03	-26.97
2900	-0.20	-37.94	-37.70	10.49	-28.01	-28.51	-23.73	-23.24
3000	-0.21	-39.81	-39.89	9.65	-24.08	-24.20	-21.06	-20.82
3100	-0.23	-42.63	-42.48	8.87	-21.04	-21.08	-19.39	-19.23
3200	-0.26	-46.76	-47.93	1.51	-19.72	-19.76	-18.73	-18.44
3300	-0.29	-52.30	-51.46	1.15	-19.23	-19.21	-17.82	-17.68

Surface Mount

Bi-Directional Coupler

BDCH-35-272+

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	-54.95	-54.94	26.17	-45.30	-45.09	-44.59	-44.49
100	-0.03	-48.99	-48.99	25.26	-35.42	-35.38	-36.31	-36.29
200	-0.05	-43.16	-43.16	24.47	-26.37	-26.29	-27.14	-26.96
300	-0.06	-39.90	-39.90	25.44	-26.09	-26.03	-25.21	-25.15
400	-0.07	-37.75	-37.75	25.81	-26.10	-26.03	-25.38	-25.38
500	-0.08	-36.26	-36.26	25.91	-25.79	-25.79	-25.63	-25.73
600	-0.09	-35.22	-35.22	26.10	-25.40	-25.57	-25.46	-25.60
700	-0.10	-34.52	-34.53	25.86	-25.55	-25.97	-24.37	-24.77
800	-0.11	-34.09	-34.08	24.85	-24.93	-25.90	-24.12	-24.77
900	-0.12	-33.94	-33.93	24.67	-24.04	-25.62	-24.11	-25.49
1000	-0.13	-33.99	-33.96	24.82	-23.45	-25.49	-23.28	-25.04
1100	-0.14	-34.20	-34.18	24.45	-22.65	-24.48	-22.80	-24.62
1200	-0.15	-34.60	-34.53	24.69	-21.50	-22.95	-22.11	-23.81
1300	-0.17	-35.02	-34.95	23.54	-20.55	-21.51	-21.20	-22.31
1350	-0.18	-35.49	-35.16	27.32	-19.95	-20.78	-20.80	-21.87
1400	-0.18	-35.55	-35.60	25.16	-19.61	-20.12	-20.51	-21.25
1450	-0.19	-35.82	-35.63	24.08	-19.39	-19.76	-20.15	-20.63
1500	-0.20	-35.96	-35.94	23.41	-19.30	-19.49	-19.95	-20.10
1550	-0.20	-36.18	-35.99	22.85	-19.23	-19.32	-19.74	-19.80
1600	-0.20	-36.15	-36.17	21.84	-19.23	-19.19	-19.64	-19.67
1650	-0.20	-36.21	-36.22	20.65	-19.31	-19.10	-19.71	-19.55
1700	-0.21	-36.03	-36.19	19.15	-19.50	-19.18	-19.95	-19.55
1750	-0.21	-35.88	-36.10	18.55	-19.79	-19.30	-20.36	-19.72
1800	-0.22	-35.95	-35.76	19.82	-20.01	-19.52	-20.77	-20.25
1850	-0.21	-35.61	-35.58	18.09	-20.40	-19.74	-21.42	-20.72
1900	-0.21	-35.29	-35.40	17.51	-20.85	-20.10	-22.22	-21.19
1950	-0.21	-35.07	-35.14	16.73	-21.50	-20.68	-23.15	-21.94
2000	-0.21	-34.87	-34.95	16.51	-22.30	-21.39	-24.07	-22.94
2100	-0.20	-34.36	-34.55	16.46	-24.53	-23.51	-26.42	-24.90
2200	-0.20	-34.05	-34.22	16.24	-28.21	-27.01	-29.94	-28.01
2300	-0.19	-33.85	-33.98	16.00	-35.46	-32.98	-36.19	-33.50
2400	-0.19	-33.93	-34.06	15.80	-52.35	-41.68	-54.25	-46.34
2500	-0.20	-34.15	-34.21	15.39	-37.96	-38.01	-37.47	-36.97
2600	-0.20	-34.65	-34.66	15.59	-37.10	-37.30	-33.66	-33.14
2700	-0.20	-35.22	-35.30	14.78	-38.30	-36.95	-31.09	-30.44
2800	-0.20	-36.40	-36.35	13.50	-33.87	-31.95	-26.97	-27.03
2900	-0.21	-37.70	-37.94	11.87	-28.51	-28.01	-23.24	-23.73
3000	-0.22	-39.89	-39.81	10.94	-24.20	-24.08	-20.82	-21.06
3100	-0.24	-42.48	-42.63	10.80	-21.08	-21.04	-19.23	-19.39
3200	-0.27	-47.93	-46.76	1.75	-19.76	-19.72	-18.44	-18.73
3300	-0.30	-51.46	-52.30	3.00	-19.21	-19.23	-17.68	-17.82

Surface Mount

Bi-Directional Coupler

BDCH-35-272+

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	-0.02	-54.93	-54.94	25.70	-44.59	-44.49	-45.30	-45.09
100	-0.03	-48.98	-48.99	25.10	-36.31	-36.29	-35.42	-35.38
200	-0.05	-43.16	-43.17	24.31	-27.14	-26.96	-26.37	-26.29
300	-0.07	-39.89	-39.90	25.25	-25.21	-25.15	-26.09	-26.03
400	-0.07	-37.74	-37.76	26.01	-25.38	-25.38	-26.10	-26.03
500	-0.09	-36.25	-36.27	26.10	-25.63	-25.73	-25.79	-25.79
600	-0.10	-35.21	-35.23	25.54	-25.46	-25.60	-25.40	-25.57
700	-0.11	-34.51	-34.53	25.02	-24.37	-24.77	-25.55	-25.97
800	-0.12	-34.08	-34.08	24.16	-24.12	-24.77	-24.93	-25.90
900	-0.12	-33.93	-33.94	23.95	-24.11	-25.49	-24.04	-25.62
1000	-0.14	-33.98	-33.97	24.03	-23.28	-25.04	-23.45	-25.49
1100	-0.14	-34.19	-34.19	23.36	-22.80	-24.62	-22.65	-24.48
1200	-0.16	-34.59	-34.54	23.35	-22.11	-23.81	-21.50	-22.95
1300	-0.17	-35.01	-34.97	22.46	-21.20	-22.31	-20.55	-21.51
1350	-0.18	-35.48	-35.16	24.38	-20.80	-21.87	-19.95	-20.78
1400	-0.18	-35.54	-35.60	24.43	-20.51	-21.25	-19.61	-20.12
1450	-0.19	-35.80	-35.64	22.67	-20.15	-20.63	-19.39	-19.76
1500	-0.20	-35.96	-35.95	22.88	-19.95	-20.10	-19.30	-19.49
1550	-0.21	-36.17	-36.00	23.18	-19.74	-19.80	-19.23	-19.32
1600	-0.21	-36.14	-36.18	22.00	-19.64	-19.67	-19.23	-19.19
1650	-0.21	-36.20	-36.23	20.97	-19.71	-19.55	-19.31	-19.10
1700	-0.22	-36.03	-36.20	18.93	-19.95	-19.55	-19.50	-19.18
1750	-0.22	-35.88	-36.11	18.62	-20.36	-19.72	-19.79	-19.30
1800	-0.22	-35.94	-35.77	19.25	-20.77	-20.25	-20.01	-19.52
1850	-0.21	-35.60	-35.60	17.87	-21.42	-20.72	-20.40	-19.74
1900	-0.22	-35.28	-35.42	17.95	-22.22	-21.19	-20.85	-20.10
1950	-0.21	-35.06	-35.16	17.25	-23.15	-21.94	-21.50	-20.68
2000	-0.21	-34.86	-34.96	16.59	-24.07	-22.94	-22.30	-21.39
2100	-0.21	-34.35	-34.56	17.05	-26.42	-24.90	-24.53	-23.51
2200	-0.21	-34.04	-34.23	16.45	-29.94	-28.01	-28.21	-27.01
2300	-0.20	-33.84	-34.00	16.01	-36.19	-33.50	-35.46	-32.98
2400	-0.21	-33.92	-34.07	15.85	-54.25	-46.34	-52.35	-41.68
2500	-0.22	-34.15	-34.23	15.90	-37.47	-36.97	-37.96	-38.01
2600	-0.22	-34.64	-34.67	15.36	-33.66	-33.14	-37.10	-37.30
2700	-0.21	-35.22	-35.32	14.86	-31.09	-30.44	-38.30	-36.95
2800	-0.23	-36.39	-36.37	12.68	-26.97	-27.03	-33.87	-31.95
2900	-0.24	-37.69	-37.95	10.67	-23.24	-23.73	-28.51	-28.01
3000	-0.25	-39.88	-39.82	9.55	-20.82	-21.06	-24.20	-24.08
3100	-0.28	-42.48	-42.64	9.02	-19.23	-19.39	-21.08	-21.04
3200	-0.30	-47.93	-46.78	0.42	-18.44	-18.73	-19.76	-19.72
3300	-0.34	-51.49	-52.36	0.64	-17.68	-17.82	-19.21	-19.23

Surface Mount

Bi-Directional Coupler

BDCH-35-272+

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	-0.02	-54.94	-54.93	25.96	-44.49	-44.59	-45.09	-45.30
100	-0.04	-48.99	-48.98	25.10	-36.29	-36.31	-35.38	-35.42
200	-0.05	-43.17	-43.16	24.41	-26.96	-27.14	-26.29	-26.37
300	-0.07	-39.90	-39.89	25.52	-25.15	-25.21	-26.03	-26.09
400	-0.08	-37.76	-37.74	25.92	-25.38	-25.38	-26.03	-26.10
500	-0.09	-36.27	-36.25	26.15	-25.73	-25.63	-25.79	-25.79
600	-0.10	-35.23	-35.21	26.51	-25.60	-25.46	-25.57	-25.40
700	-0.11	-34.53	-34.51	26.29	-24.77	-24.37	-25.97	-25.55
800	-0.12	-34.08	-34.08	25.21	-24.77	-24.12	-25.90	-24.93
900	-0.13	-33.94	-33.93	25.08	-25.49	-24.11	-25.62	-24.04
1000	-0.14	-33.97	-33.98	25.13	-25.04	-23.28	-25.49	-23.45
1100	-0.15	-34.19	-34.19	24.78	-24.62	-22.80	-24.48	-22.65
1200	-0.17	-34.54	-34.59	24.86	-23.81	-22.11	-22.95	-21.50
1300	-0.18	-34.97	-35.01	23.61	-22.31	-21.20	-21.51	-20.55
1350	-0.19	-35.16	-35.48	27.51	-21.87	-20.80	-20.78	-19.95
1400	-0.19	-35.60	-35.54	25.17	-21.25	-20.51	-20.12	-19.61
1450	-0.20	-35.64	-35.80	24.15	-20.63	-20.15	-19.76	-19.39
1500	-0.20	-35.95	-35.96	23.39	-20.10	-19.95	-19.49	-19.30
1550	-0.21	-36.00	-36.17	22.98	-19.80	-19.74	-19.32	-19.23
1600	-0.22	-36.18	-36.14	21.66	-19.67	-19.64	-19.19	-19.23
1650	-0.22	-36.23	-36.20	20.50	-19.55	-19.71	-19.10	-19.31
1700	-0.22	-36.20	-36.03	18.87	-19.55	-19.95	-19.18	-19.50
1750	-0.22	-36.11	-35.88	18.23	-19.72	-20.36	-19.30	-19.79
1800	-0.22	-35.77	-35.94	19.97	-20.25	-20.77	-19.52	-20.01
1850	-0.22	-35.60	-35.60	18.13	-20.72	-21.42	-19.74	-20.40
1900	-0.22	-35.42	-35.28	17.33	-21.19	-22.22	-20.10	-20.85
1950	-0.21	-35.16	-35.06	16.67	-21.94	-23.15	-20.68	-21.50
2000	-0.21	-34.96	-34.86	16.43	-22.94	-24.07	-21.39	-22.30
2100	-0.21	-34.56	-34.35	16.36	-24.90	-26.42	-23.51	-24.53
2200	-0.21	-34.23	-34.04	16.21	-28.01	-29.94	-27.01	-28.21
2300	-0.21	-34.00	-33.84	16.08	-33.50	-36.19	-32.98	-35.46
2400	-0.21	-34.07	-33.92	15.86	-46.34	-54.25	-41.68	-52.35
2500	-0.22	-34.23	-34.15	15.49	-36.97	-37.47	-38.01	-37.96
2600	-0.22	-34.67	-34.64	15.75	-33.14	-33.66	-37.30	-37.10
2700	-0.22	-35.32	-35.22	14.77	-30.44	-31.09	-36.95	-38.30
2800	-0.23	-36.37	-36.39	13.60	-27.03	-26.97	-31.95	-33.87
2900	-0.24	-37.95	-37.69	11.70	-23.73	-23.24	-28.01	-28.51
3000	-0.26	-39.82	-39.88	11.06	-21.06	-20.82	-24.08	-24.20
3100	-0.29	-42.64	-42.48	10.70	-19.39	-19.23	-21.04	-21.08
3200	-0.31	-46.78	-47.93	2.92	-18.73	-18.44	-19.72	-19.76
3300	-0.34	-52.36	-51.49	2.16	-17.82	-17.68	-19.23	-19.21

Surface Mount

Bi-Directional Coupler

BDCH-35-272+

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	-54.79	-54.81	25.89	-38.69	-38.92	-39.18	-39.27
100	-0.04	-48.86	-48.87	26.53	-34.27	-34.39	-34.40	-34.42
200	-0.05	-43.05	-43.04	26.33	-29.22	-29.43	-29.12	-29.45
300	-0.07	-39.80	-39.79	26.00	-26.76	-26.92	-26.65	-26.74
400	-0.08	-37.67	-37.65	25.44	-25.33	-25.40	-25.20	-25.20
500	-0.09	-36.18	-36.17	24.92	-24.65	-24.67	-24.38	-24.27
600	-0.10	-35.15	-35.14	24.44	-24.55	-24.41	-24.05	-23.88
700	-0.11	-34.46	-34.44	24.23	-24.98	-24.60	-24.26	-23.89
800	-0.12	-34.04	-34.04	24.09	-25.63	-24.68	-24.69	-23.98
900	-0.12	-33.88	-33.88	24.02	-25.98	-24.36	-25.09	-23.85
1000	-0.14	-33.92	-33.93	23.78	-25.75	-23.74	-25.15	-23.40
1100	-0.15	-34.14	-34.15	23.34	-24.65	-22.84	-24.50	-22.80
1200	-0.16	-34.50	-34.54	23.11	-23.19	-21.79	-23.47	-21.97
1300	-0.17	-34.99	-35.04	22.77	-21.89	-20.92	-22.37	-21.25
1350	-0.18	-35.26	-35.28	22.53	-21.32	-20.53	-21.91	-20.98
1400	-0.19	-35.49	-35.52	21.86	-20.77	-20.25	-21.43	-20.77
1450	-0.19	-35.73	-35.71	21.56	-20.35	-19.98	-21.05	-20.58
1500	-0.20	-35.91	-35.91	20.68	-19.97	-19.80	-20.72	-20.47
1550	-0.20	-36.06	-36.08	20.83	-19.71	-19.63	-20.51	-20.39
1600	-0.21	-36.11	-36.13	20.39	-19.59	-19.60	-20.35	-20.37
1650	-0.21	-36.13	-36.10	20.09	-19.43	-19.60	-20.26	-20.45
1700	-0.21	-36.11	-36.04	19.15	-19.43	-19.65	-20.29	-20.57
1750	-0.21	-36.02	-35.92	18.43	-19.46	-19.83	-20.33	-20.81
1800	-0.21	-35.86	-35.78	18.03	-19.62	-20.02	-20.54	-21.02
1850	-0.21	-35.64	-35.53	17.95	-19.83	-20.35	-20.86	-21.47
1900	-0.22	-35.43	-35.30	17.49	-20.15	-20.67	-21.20	-21.92
1950	-0.22	-35.21	-35.07	17.22	-20.62	-21.12	-21.72	-22.52
2000	-0.21	-35.01	-34.83	16.61	-21.06	-21.67	-22.29	-23.08
2100	-0.21	-34.57	-34.38	16.39	-22.42	-23.08	-23.89	-24.87
2200	-0.21	-34.23	-34.04	15.90	-24.35	-25.00	-26.25	-27.20
2300	-0.21	-34.01	-33.85	15.63	-27.20	-27.93	-29.89	-30.64
2400	-0.21	-34.04	-33.86	15.04	-31.91	-32.42	-36.35	-36.71
2500	-0.21	-34.21	-34.09	14.39	-43.58	-43.27	-49.66	-45.83
2600	-0.21	-34.60	-34.56	13.64	-38.45	-39.28	-34.19	-34.44
2700	-0.22	-35.33	-35.24	13.02	-30.60	-31.22	-28.90	-29.06
2800	-0.23	-36.52	-36.48	11.07	-26.54	-26.93	-25.53	-25.55
2900	-0.25	-37.66	-37.79	10.96	-23.94	-24.20	-23.07	-22.90
3000	-0.26	-39.59	-39.61	9.70	-22.22	-22.27	-21.30	-21.03
3100	-0.27	-42.50	-42.39	7.47	-20.93	-20.96	-19.74	-19.53
3200	-0.29	-46.80	-46.94	3.14	-20.21	-20.19	-18.57	-18.41
3300	-0.30	-53.96	-54.58	1.56	-19.61	-19.57	-17.54	-17.48

Surface Mount

Bi-Directional Coupler

BDCH-35-272+

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	-54.81	-54.79	26.12	-38.92	-38.69	-39.27	-39.18
100	-0.03	-48.87	-48.86	26.73	-34.39	-34.27	-34.42	-34.40
200	-0.05	-43.04	-43.05	26.48	-29.43	-29.22	-29.45	-29.12
300	-0.06	-39.79	-39.80	26.11	-26.92	-26.76	-26.74	-26.65
400	-0.08	-37.65	-37.67	25.50	-25.40	-25.33	-25.20	-25.20
500	-0.09	-36.17	-36.18	24.92	-24.67	-24.65	-24.27	-24.38
600	-0.10	-35.14	-35.15	24.43	-24.41	-24.55	-23.88	-24.05
700	-0.10	-34.44	-34.46	24.31	-24.60	-24.98	-23.89	-24.26
800	-0.11	-34.04	-34.04	24.17	-24.68	-25.63	-23.98	-24.69
900	-0.12	-33.88	-33.88	24.19	-24.36	-25.98	-23.85	-25.09
1000	-0.13	-33.93	-33.92	24.15	-23.74	-25.75	-23.40	-25.15
1100	-0.14	-34.15	-34.14	23.85	-22.84	-24.65	-22.80	-24.50
1200	-0.15	-34.54	-34.50	23.94	-21.79	-23.19	-21.97	-23.47
1300	-0.17	-35.04	-34.99	23.98	-20.92	-21.89	-21.25	-22.37
1350	-0.18	-35.28	-35.26	23.69	-20.53	-21.32	-20.98	-21.91
1400	-0.18	-35.52	-35.49	23.19	-20.25	-20.77	-20.77	-21.43
1450	-0.19	-35.71	-35.73	22.73	-19.98	-20.35	-20.58	-21.05
1500	-0.20	-35.91	-35.91	21.85	-19.80	-19.97	-20.47	-20.72
1550	-0.20	-36.08	-36.06	21.15	-19.63	-19.71	-20.39	-20.51
1600	-0.20	-36.13	-36.11	20.88	-19.60	-19.59	-20.37	-20.35
1650	-0.21	-36.10	-36.13	20.47	-19.60	-19.43	-20.45	-20.26
1700	-0.21	-36.04	-36.11	19.76	-19.65	-19.43	-20.57	-20.29
1750	-0.21	-35.92	-36.02	18.87	-19.83	-19.46	-20.81	-20.33
1800	-0.21	-35.78	-35.86	18.54	-20.02	-19.62	-21.02	-20.54
1850	-0.21	-35.53	-35.64	18.19	-20.35	-19.83	-21.47	-20.86
1900	-0.22	-35.30	-35.43	17.30	-20.67	-20.15	-21.92	-21.20
1950	-0.22	-35.07	-35.21	16.86	-21.12	-20.62	-22.52	-21.72
2000	-0.21	-34.83	-35.01	16.53	-21.67	-21.06	-23.08	-22.29
2100	-0.21	-34.38	-34.57	16.15	-23.08	-22.42	-24.87	-23.89
2200	-0.21	-34.04	-34.23	15.65	-25.00	-24.35	-27.20	-26.25
2300	-0.21	-33.85	-34.01	15.10	-27.93	-27.20	-30.64	-29.89
2400	-0.21	-33.86	-34.04	14.85	-32.42	-31.91	-36.71	-36.35
2500	-0.20	-34.09	-34.21	14.40	-43.27	-43.58	-45.83	-49.66
2600	-0.21	-34.56	-34.60	13.94	-39.28	-38.45	-34.44	-34.19
2700	-0.22	-35.24	-35.33	13.34	-31.22	-30.60	-29.06	-28.90
2800	-0.23	-36.48	-36.52	11.61	-26.93	-26.54	-25.55	-25.53
2900	-0.24	-37.79	-37.66	11.82	-24.20	-23.94	-22.90	-23.07
3000	-0.26	-39.61	-39.59	11.57	-22.27	-22.22	-21.03	-21.30
3100	-0.27	-42.39	-42.50	9.86	-20.96	-20.93	-19.53	-19.74
3200	-0.29	-46.94	-46.80	5.39	-20.19	-20.21	-18.41	-18.57
3300	-0.29	-54.58	-53.96	1.18	-19.57	-19.61	-17.48	-17.54

Surface Mount

Bi-Directional Coupler

BDCH-35-272+

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	-54.79	-54.79	26.11	-39.27	-39.18	-38.92	-38.69
100	-0.03	-48.86	-48.87	26.43	-34.42	-34.40	-34.39	-34.27
200	-0.05	-43.03	-43.05	26.55	-29.45	-29.12	-29.43	-29.22
300	-0.06	-39.78	-39.80	26.07	-26.74	-26.65	-26.92	-26.76
400	-0.07	-37.65	-37.67	25.32	-25.20	-25.20	-25.40	-25.33
500	-0.09	-36.17	-36.19	24.66	-24.27	-24.38	-24.67	-24.65
600	-0.10	-35.13	-35.15	24.19	-23.88	-24.05	-24.41	-24.55
700	-0.10	-34.44	-34.46	23.92	-23.89	-24.26	-24.60	-24.98
800	-0.11	-34.03	-34.04	23.77	-23.98	-24.69	-24.68	-25.63
900	-0.12	-33.88	-33.88	23.76	-23.85	-25.09	-24.36	-25.98
1000	-0.13	-33.92	-33.92	23.55	-23.40	-25.15	-23.74	-25.75
1100	-0.14	-34.15	-34.14	23.14	-22.80	-24.50	-22.84	-24.65
1200	-0.15	-34.54	-34.50	23.10	-21.97	-23.47	-21.79	-23.19
1300	-0.16	-35.04	-34.99	22.69	-21.25	-22.37	-20.92	-21.89
1350	-0.17	-35.27	-35.26	22.48	-20.98	-21.91	-20.53	-21.32
1400	-0.17	-35.51	-35.49	21.96	-20.77	-21.43	-20.25	-20.77
1450	-0.18	-35.71	-35.73	21.54	-20.58	-21.05	-19.98	-20.35
1500	-0.18	-35.91	-35.91	20.78	-20.47	-20.72	-19.80	-19.97
1550	-0.19	-36.07	-36.06	20.83	-20.39	-20.51	-19.63	-19.71
1600	-0.19	-36.12	-36.11	20.41	-20.37	-20.35	-19.60	-19.59
1650	-0.19	-36.10	-36.13	20.18	-20.45	-20.26	-19.60	-19.43
1700	-0.20	-36.04	-36.11	19.33	-20.57	-20.29	-19.65	-19.43
1750	-0.20	-35.91	-36.02	18.52	-20.81	-20.33	-19.83	-19.46
1800	-0.20	-35.77	-35.86	18.20	-21.02	-20.54	-20.02	-19.62
1850	-0.20	-35.52	-35.64	18.00	-21.47	-20.86	-20.35	-19.83
1900	-0.20	-35.30	-35.44	17.52	-21.92	-21.20	-20.67	-20.15
1950	-0.20	-35.06	-35.21	17.21	-22.52	-21.72	-21.12	-20.62
2000	-0.20	-34.83	-35.01	16.69	-23.08	-22.29	-21.67	-21.06
2100	-0.20	-34.38	-34.57	16.32	-24.87	-23.89	-23.08	-22.42
2200	-0.20	-34.04	-34.23	15.91	-27.20	-26.25	-25.00	-24.35
2300	-0.20	-33.85	-34.01	15.53	-30.64	-29.89	-27.93	-27.20
2400	-0.20	-33.86	-34.04	15.01	-36.71	-36.35	-32.42	-31.91
2500	-0.20	-34.09	-34.21	14.32	-45.83	-49.66	-43.27	-43.58
2600	-0.21	-34.55	-34.61	13.57	-34.44	-34.19	-39.28	-38.45
2700	-0.21	-35.23	-35.33	13.05	-29.06	-28.90	-31.22	-30.60
2800	-0.23	-36.48	-36.52	11.05	-25.55	-25.53	-26.93	-26.54
2900	-0.24	-37.79	-37.65	10.76	-22.90	-23.07	-24.20	-23.94
3000	-0.26	-39.61	-39.59	9.66	-21.03	-21.30	-22.27	-22.22
3100	-0.28	-42.39	-42.51	7.61	-19.53	-19.74	-20.96	-20.93
3200	-0.30	-46.94	-46.79	2.96	-18.41	-18.57	-20.19	-20.21
3300	-0.32	-54.60	-53.98	2.28	-17.48	-17.54	-19.57	-19.61

Surface Mount

Bi-Directional Coupler

BDCH-35-272+

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	-54.79	-54.79	26.29	-39.18	-39.27	-38.69	-38.92
100	-0.04	-48.87	-48.86	26.56	-34.40	-34.42	-34.27	-34.39
200	-0.05	-43.05	-43.03	26.35	-29.12	-29.45	-29.22	-29.43
300	-0.07	-39.80	-39.78	26.06	-26.65	-26.74	-26.76	-26.92
400	-0.08	-37.67	-37.65	25.59	-25.20	-25.20	-25.33	-25.40
500	-0.09	-36.19	-36.17	25.06	-24.38	-24.27	-24.65	-24.67
600	-0.10	-35.15	-35.13	24.75	-24.05	-23.88	-24.55	-24.41
700	-0.11	-34.46	-34.44	24.69	-24.26	-23.89	-24.98	-24.60
800	-0.12	-34.04	-34.03	24.45	-24.69	-23.98	-25.63	-24.68
900	-0.12	-33.88	-33.88	24.52	-25.09	-23.85	-25.98	-24.36
1000	-0.13	-33.92	-33.92	24.42	-25.15	-23.40	-25.75	-23.74
1100	-0.14	-34.14	-34.15	24.07	-24.50	-22.80	-24.65	-22.84
1200	-0.16	-34.50	-34.54	23.96	-23.47	-21.97	-23.19	-21.79
1300	-0.17	-34.99	-35.04	24.00	-22.37	-21.25	-21.89	-20.92
1350	-0.17	-35.26	-35.27	23.71	-21.91	-20.98	-21.32	-20.53
1400	-0.18	-35.49	-35.51	23.15	-21.43	-20.77	-20.77	-20.25
1450	-0.18	-35.73	-35.71	22.60	-21.05	-20.58	-20.35	-19.98
1500	-0.18	-35.91	-35.91	21.73	-20.72	-20.47	-19.97	-19.80
1550	-0.19	-36.06	-36.07	21.10	-20.51	-20.39	-19.71	-19.63
1600	-0.19	-36.11	-36.12	20.80	-20.35	-20.37	-19.59	-19.60
1650	-0.20	-36.13	-36.10	20.35	-20.26	-20.45	-19.43	-19.60
1700	-0.20	-36.11	-36.04	19.58	-20.29	-20.57	-19.43	-19.65
1750	-0.20	-36.02	-35.91	18.69	-20.33	-20.81	-19.46	-19.83
1800	-0.20	-35.86	-35.77	18.43	-20.54	-21.02	-19.62	-20.02
1850	-0.20	-35.64	-35.52	18.09	-20.86	-21.47	-19.83	-20.35
1900	-0.20	-35.44	-35.30	17.16	-21.20	-21.92	-20.15	-20.67
1950	-0.20	-35.21	-35.06	16.78	-21.72	-22.52	-20.62	-21.12
2000	-0.20	-35.01	-34.83	16.39	-22.29	-23.08	-21.06	-21.67
2100	-0.19	-34.57	-34.38	16.10	-23.89	-24.87	-22.42	-23.08
2200	-0.20	-34.23	-34.04	15.62	-26.25	-27.20	-24.35	-25.00
2300	-0.20	-34.01	-33.85	15.14	-29.89	-30.64	-27.20	-27.93
2400	-0.20	-34.04	-33.86	14.85	-36.35	-36.71	-31.91	-32.42
2500	-0.20	-34.21	-34.09	14.42	-49.66	-45.83	-43.58	-43.27
2600	-0.21	-34.61	-34.55	14.01	-34.19	-34.44	-38.45	-39.28
2700	-0.22	-35.33	-35.23	13.31	-28.90	-29.06	-30.60	-31.22
2800	-0.23	-36.52	-36.48	11.62	-25.53	-25.55	-26.54	-26.93
2900	-0.24	-37.65	-37.79	12.03	-23.07	-22.90	-23.94	-24.20
3000	-0.26	-39.59	-39.61	11.66	-21.30	-21.03	-22.22	-22.27
3100	-0.28	-42.51	-42.39	9.78	-19.74	-19.53	-20.93	-20.96
3200	-0.30	-46.79	-46.94	5.53	-18.57	-18.41	-20.21	-20.19
3300	-0.32	-53.98	-54.60	1.35	-17.54	-17.48	-19.61	-19.57

Surface Mount

Bi-Directional Coupler

BDCH-35-272+

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	-0.02	-54.72	-54.72	25.42	-34.43	-34.57	-35.24	-35.36
100	-0.03	-48.79	-48.79	27.60	-32.26	-32.32	-31.81	-31.87
200	-0.04	-42.98	-42.96	29.96	-33.24	-33.95	-31.32	-31.74
300	-0.05	-39.72	-39.71	28.77	-29.99	-30.38	-30.43	-30.70
400	-0.07	-37.60	-37.58	26.51	-26.29	-26.41	-27.30	-27.37
500	-0.08	-36.13	-36.11	25.14	-24.72	-24.73	-24.80	-24.72
600	-0.09	-35.10	-35.08	24.62	-24.73	-24.58	-23.81	-23.70
700	-0.09	-34.42	-34.40	24.37	-24.64	-24.34	-23.74	-23.45
800	-0.10	-33.99	-33.98	23.72	-24.89	-24.13	-23.81	-23.36
900	-0.11	-33.85	-33.83	23.23	-25.09	-23.84	-23.98	-23.14
1000	-0.12	-33.87	-33.88	22.93	-25.44	-23.69	-24.31	-23.05
1100	-0.12	-34.11	-34.10	22.21	-24.95	-23.17	-24.45	-22.94
1200	-0.14	-34.47	-34.51	22.09	-23.69	-22.25	-23.83	-22.39
1300	-0.15	-34.93	-34.98	21.64	-22.33	-21.31	-22.75	-21.63
1350	-0.16	-35.06	-35.30	21.19	-21.63	-20.75	-22.33	-21.24
1400	-0.16	-35.52	-35.51	22.73	-20.94	-20.36	-21.73	-20.96
1450	-0.17	-35.66	-35.71	20.91	-20.38	-19.95	-21.12	-20.61
1500	-0.17	-35.90	-35.88	20.59	-19.86	-19.59	-20.65	-20.33
1550	-0.18	-36.08	-36.04	19.85	-19.45	-19.26	-20.30	-20.04
1600	-0.19	-35.87	-36.32	23.27	-19.27	-19.12	-20.10	-19.83
1650	-0.19	-36.14	-36.10	20.56	-18.97	-19.00	-19.76	-19.73
1700	-0.20	-36.20	-35.98	18.51	-18.88	-18.93	-19.61	-19.71
1750	-0.20	-36.08	-35.86	18.09	-18.86	-19.02	-19.60	-19.78
1800	-0.20	-35.99	-35.83	17.01	-18.97	-19.15	-19.75	-19.88
1850	-0.20	-35.66	-35.51	17.84	-19.22	-19.47	-20.03	-20.23
1900	-0.20	-35.39	-35.28	17.64	-19.51	-19.77	-20.23	-20.61
1950	-0.20	-35.16	-35.03	17.07	-20.00	-20.23	-20.75	-21.15
2000	-0.19	-34.96	-34.83	16.13	-20.51	-20.84	-21.42	-21.73
2100	-0.19	-34.52	-34.33	16.44	-21.98	-22.40	-22.95	-23.53
2200	-0.19	-34.23	-34.01	15.60	-24.10	-24.57	-25.53	-26.06
2300	-0.18	-33.98	-33.79	15.23	-27.35	-27.88	-29.43	-29.82
2400	-0.18	-33.98	-33.84	14.78	-32.67	-33.36	-36.33	-36.86
2500	-0.18	-34.19	-34.06	14.26	-45.46	-48.71	-46.06	-42.94
2600	-0.19	-34.50	-34.34	12.96	-37.05	-36.87	-32.94	-32.54
2700	-0.20	-35.39	-35.28	13.02	-30.48	-30.65	-27.87	-27.86
2800	-0.19	-36.30	-36.32	11.77	-26.31	-26.50	-24.81	-24.60
2900	-0.21	-37.76	-37.96	10.01	-23.87	-24.11	-22.56	-22.31
3000	-0.23	-39.58	-39.58	9.43	-22.14	-22.18	-20.63	-20.58
3100	-0.24	-42.08	-42.16	8.68	-20.88	-20.97	-19.21	-19.17
3200	-0.26	-46.86	-46.84	2.16	-20.15	-20.17	-18.26	-18.15
3300	-0.28	-51.20	-51.64	1.10	-19.48	-19.52	-17.24	-17.22

Bi-Directional Coupler BDCH-35-272+

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	-54.72	-54.72	26.21	-34.57	-34.43	-35.36	-35.24
100	-0.03	-48.79	-48.79	27.91	-32.32	-32.26	-31.87	-31.81
200	-0.04	-42.96	-42.98	30.08	-33.95	-33.24	-31.74	-31.32
300	-0.05	-39.71	-39.72	28.65	-30.38	-29.99	-30.70	-30.43
400	-0.07	-37.58	-37.60	26.64	-26.41	-26.29	-27.37	-27.30
500	-0.08	-36.11	-36.13	25.28	-24.73	-24.72	-24.72	-24.80
600	-0.09	-35.08	-35.10	24.71	-24.58	-24.73	-23.70	-23.81
700	-0.09	-34.40	-34.42	24.25	-24.34	-24.64	-23.45	-23.74
800	-0.10	-33.98	-33.99	23.72	-24.13	-24.89	-23.36	-23.81
900	-0.11	-33.83	-33.85	23.43	-23.84	-25.09	-23.14	-23.98
1000	-0.12	-33.88	-33.87	23.17	-23.69	-25.44	-23.05	-24.31
1100	-0.12	-34.10	-34.11	22.62	-23.17	-24.95	-22.94	-24.45
1200	-0.14	-34.51	-34.47	22.90	-22.25	-23.69	-22.39	-23.83
1300	-0.15	-34.98	-34.93	22.51	-21.31	-22.33	-21.63	-22.75
1350	-0.16	-35.30	-35.06	21.73	-20.75	-21.63	-21.24	-22.33
1400	-0.16	-35.51	-35.52	23.44	-20.36	-20.94	-20.96	-21.73
1450	-0.17	-35.71	-35.66	22.12	-19.95	-20.38	-20.61	-21.12
1500	-0.18	-35.88	-35.90	22.02	-19.59	-19.86	-20.33	-20.65
1550	-0.19	-36.04	-36.08	20.26	-19.26	-19.45	-20.04	-20.30
1600	-0.20	-36.32	-35.87	23.48	-19.12	-19.27	-19.83	-20.10
1650	-0.20	-36.10	-36.14	19.70	-19.00	-18.97	-19.73	-19.76
1700	-0.20	-35.98	-36.20	19.20	-18.93	-18.88	-19.71	-19.61
1750	-0.20	-35.86	-36.08	18.58	-19.02	-18.86	-19.78	-19.60
1800	-0.21	-35.83	-35.99	17.47	-19.15	-18.97	-19.88	-19.75
1850	-0.20	-35.51	-35.66	17.56	-19.47	-19.22	-20.23	-20.03
1900	-0.21	-35.28	-35.39	17.21	-19.77	-19.51	-20.61	-20.23
1950	-0.20	-35.03	-35.16	16.55	-20.23	-20.00	-21.15	-20.75
2000	-0.20	-34.83	-34.96	15.90	-20.84	-20.51	-21.73	-21.42
2100	-0.19	-34.33	-34.52	15.84	-22.40	-21.98	-23.53	-22.95
2200	-0.19	-34.01	-34.23	15.29	-24.57	-24.10	-26.06	-25.53
2300	-0.18	-33.79	-33.98	14.82	-27.88	-27.35	-29.82	-29.43
2400	-0.18	-33.84	-33.98	14.32	-33.36	-32.67	-36.86	-36.33
2500	-0.19	-34.06	-34.19	14.14	-48.71	-45.46	-42.94	-46.06
2600	-0.20	-34.34	-34.50	13.65	-36.87	-37.05	-32.54	-32.94
2700	-0.21	-35.28	-35.39	12.95	-30.65	-30.48	-27.86	-27.87
2800	-0.20	-36.32	-36.30	12.61	-26.50	-26.31	-24.60	-24.81
2900	-0.22	-37.96	-37.76	10.45	-24.11	-23.87	-22.31	-22.56
3000	-0.24	-39.58	-39.58	11.58	-22.18	-22.14	-20.58	-20.63
3100	-0.24	-42.16	-42.08	10.85	-20.97	-20.88	-19.17	-19.21
3200	-0.26	-46.84	-46.86	4.30	-20.17	-20.15	-18.15	-18.26
3300	-0.28	-51.64	-51.20	1.96	-19.52	-19.48	-17.22	-17.24

Surface Mount

Bi-Directional Coupler

BDCH-35-272+

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	-0.02	-54.72	-54.73	25.86	-35.36	-35.24	-34.57	-34.43
100	-0.03	-48.78	-48.80	27.81	-31.87	-31.81	-32.32	-32.26
200	-0.04	-42.96	-42.97	30.04	-31.74	-31.32	-33.95	-33.24
300	-0.05	-39.71	-39.72	28.95	-30.70	-30.43	-30.38	-29.99
400	-0.06	-37.58	-37.60	26.46	-27.37	-27.30	-26.41	-26.29
500	-0.08	-36.11	-36.13	24.94	-24.72	-24.80	-24.73	-24.72
600	-0.09	-35.08	-35.11	24.39	-23.70	-23.81	-24.58	-24.73
700	-0.10	-34.39	-34.42	24.11	-23.45	-23.74	-24.34	-24.64
800	-0.10	-33.97	-34.00	23.45	-23.36	-23.81	-24.13	-24.89
900	-0.11	-33.83	-33.85	22.94	-23.14	-23.98	-23.84	-25.09
1000	-0.12	-33.88	-33.88	22.73	-23.05	-24.31	-23.69	-25.44
1100	-0.12	-34.09	-34.12	22.02	-22.94	-24.45	-23.17	-24.95
1200	-0.14	-34.50	-34.48	22.05	-22.39	-23.83	-22.25	-23.69
1300	-0.15	-34.98	-34.94	21.57	-21.63	-22.75	-21.31	-22.33
1350	-0.16	-35.30	-35.06	20.87	-21.24	-22.33	-20.75	-21.63
1400	-0.16	-35.51	-35.53	22.88	-20.96	-21.73	-20.36	-20.94
1450	-0.17	-35.70	-35.67	20.87	-20.61	-21.12	-19.95	-20.38
1500	-0.17	-35.87	-35.90	20.67	-20.33	-20.65	-19.59	-19.86
1550	-0.18	-36.04	-36.09	19.92	-20.04	-20.30	-19.26	-19.45
1600	-0.19	-36.31	-35.86	22.73	-19.83	-20.10	-19.12	-19.27
1650	-0.19	-36.10	-36.14	20.66	-19.73	-19.76	-19.00	-18.97
1700	-0.19	-35.97	-36.21	18.77	-19.71	-19.61	-18.93	-18.88
1750	-0.19	-35.85	-36.09	18.26	-19.78	-19.60	-19.02	-18.86
1800	-0.20	-35.82	-36.00	17.15	-19.88	-19.75	-19.15	-18.97
1850	-0.19	-35.51	-35.67	17.87	-20.23	-20.03	-19.47	-19.22
1900	-0.20	-35.27	-35.40	17.65	-20.61	-20.23	-19.77	-19.51
1950	-0.19	-35.02	-35.17	17.00	-21.15	-20.75	-20.23	-20.00
2000	-0.19	-34.82	-34.97	16.17	-21.73	-21.42	-20.84	-20.51
2100	-0.18	-34.32	-34.53	16.36	-23.53	-22.95	-22.40	-21.98
2200	-0.18	-34.00	-34.24	15.63	-26.06	-25.53	-24.57	-24.10
2300	-0.18	-33.79	-33.99	15.17	-29.82	-29.43	-27.88	-27.35
2400	-0.18	-33.83	-33.99	14.71	-36.86	-36.33	-33.36	-32.67
2500	-0.18	-34.05	-34.20	14.23	-42.94	-46.06	-48.71	-45.46
2600	-0.19	-34.34	-34.51	13.03	-32.54	-32.94	-36.87	-37.05
2700	-0.20	-35.27	-35.40	13.08	-27.86	-27.87	-30.65	-30.48
2800	-0.20	-36.31	-36.31	11.72	-24.60	-24.81	-26.50	-26.31
2900	-0.22	-37.95	-37.77	9.79	-22.31	-22.56	-24.11	-23.87
3000	-0.25	-39.57	-39.58	9.40	-20.58	-20.63	-22.18	-22.14
3100	-0.26	-42.16	-42.08	8.61	-19.17	-19.21	-20.97	-20.88
3200	-0.29	-46.84	-46.85	2.16	-18.15	-18.26	-20.17	-20.15
3300	-0.32	-51.66	-51.22	1.54	-17.22	-17.24	-19.52	-19.48

Surface Mount

Bi-Directional Coupler

BDCH-35-272+

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	-0.02	-54.73	-54.72	26.10	-35.24	-35.36	-34.43	-34.57
100	-0.03	-48.80	-48.78	27.81	-31.81	-31.87	-32.26	-32.32
200	-0.04	-42.97	-42.96	30.05	-31.32	-31.74	-33.24	-33.95
300	-0.05	-39.72	-39.71	28.70	-30.43	-30.70	-29.99	-30.38
400	-0.06	-37.60	-37.58	26.73	-27.30	-27.37	-26.29	-26.41
500	-0.08	-36.13	-36.11	25.43	-24.80	-24.72	-24.72	-24.73
600	-0.09	-35.11	-35.08	25.01	-23.81	-23.70	-24.73	-24.58
700	-0.10	-34.42	-34.39	24.54	-23.74	-23.45	-24.64	-24.34
800	-0.11	-34.00	-33.97	24.00	-23.81	-23.36	-24.89	-24.13
900	-0.12	-33.85	-33.83	23.76	-23.98	-23.14	-25.09	-23.84
1000	-0.12	-33.88	-33.88	23.41	-24.31	-23.05	-25.44	-23.69
1100	-0.13	-34.12	-34.09	22.81	-24.45	-22.94	-24.95	-23.17
1200	-0.14	-34.48	-34.50	22.86	-23.83	-22.39	-23.69	-22.25
1300	-0.15	-34.94	-34.98	22.51	-22.75	-21.63	-22.33	-21.31
1350	-0.16	-35.06	-35.30	21.88	-22.33	-21.24	-21.63	-20.75
1400	-0.16	-35.53	-35.51	23.28	-21.73	-20.96	-20.94	-20.36
1450	-0.17	-35.67	-35.70	22.02	-21.12	-20.61	-20.38	-19.95
1500	-0.17	-35.90	-35.87	21.89	-20.65	-20.33	-19.86	-19.59
1550	-0.18	-36.09	-36.04	20.18	-20.30	-20.04	-19.45	-19.26
1600	-0.19	-35.86	-36.31	23.80	-20.10	-19.83	-19.27	-19.12
1650	-0.19	-36.14	-36.10	19.60	-19.76	-19.73	-18.97	-19.00
1700	-0.20	-36.21	-35.97	18.89	-19.61	-19.71	-18.88	-18.93
1750	-0.20	-36.09	-35.85	18.31	-19.60	-19.78	-18.86	-19.02
1800	-0.20	-36.00	-35.82	17.30	-19.75	-19.88	-18.97	-19.15
1850	-0.19	-35.67	-35.51	17.44	-20.03	-20.23	-19.22	-19.47
1900	-0.20	-35.40	-35.27	17.09	-20.23	-20.61	-19.51	-19.77
1950	-0.19	-35.17	-35.02	16.51	-20.75	-21.15	-20.00	-20.23
2000	-0.19	-34.97	-34.82	15.83	-21.42	-21.73	-20.51	-20.84
2100	-0.18	-34.53	-34.32	15.80	-22.95	-23.53	-21.98	-22.40
2200	-0.18	-34.24	-34.00	15.23	-25.53	-26.06	-24.10	-24.57
2300	-0.18	-33.99	-33.79	14.84	-29.43	-29.82	-27.35	-27.88
2400	-0.18	-33.99	-33.83	14.34	-36.33	-36.86	-32.67	-33.36
2500	-0.19	-34.20	-34.05	14.14	-46.06	-42.94	-45.46	-48.71
2600	-0.19	-34.51	-34.34	13.60	-32.94	-32.54	-37.05	-36.87
2700	-0.21	-35.40	-35.27	12.89	-27.87	-27.86	-30.48	-30.65
2800	-0.20	-36.31	-36.31	12.72	-24.81	-24.60	-26.31	-26.50
2900	-0.22	-37.77	-37.95	10.69	-22.56	-22.31	-23.87	-24.11
3000	-0.25	-39.58	-39.57	11.62	-20.63	-20.58	-22.14	-22.18
3100	-0.26	-42.08	-42.16	10.96	-19.21	-19.17	-20.88	-20.97
3200	-0.29	-46.85	-46.84	4.30	-18.26	-18.15	-20.15	-20.17
3300	-0.32	-51.22	-51.66	2.40	-17.24	-17.22	-19.48	-19.52