

Bi-Directional Coupler

BDCH-25-33+

Typical Performance Data

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

Freq. (MHz)	I. Loss (dB) In - Out	Coupling (dB)		Directivity (dB) In - Fwd	Return Loss (dB)			
		In - Fwd	Out - Rev		In	Out	Fwd	Rev
50	-0.04	-48.63	-48.66	25.77	-49.28	-49.52	-55.56	-54.71
100	-0.05	-42.67	-42.68	24.48	-38.75	-38.85	-39.35	-39.40
200	-0.05	-36.78	-36.79	23.28	-27.03	-27.17	-25.65	-25.66
300	-0.06	-33.44	-33.44	24.62	-24.45	-24.51	-24.69	-24.61
400	-0.06	-31.15	-31.14	26.25	-25.43	-25.38	-25.89	-25.96
500	-0.06	-29.49	-29.47	26.28	-26.05	-26.13	-25.55	-25.63
600	-0.06	-28.24	-28.21	27.02	-26.66	-26.83	-27.21	-27.30
700	-0.07	-27.29	-27.25	27.99	-28.29	-28.41	-28.56	-28.76
800	-0.07	-26.57	-26.52	27.26	-29.25	-29.29	-28.09	-28.08
900	-0.08	-26.07	-26.02	26.33	-30.26	-30.27	-29.20	-29.11
1000	-0.09	-25.72	-25.68	25.64	-34.55	-34.10	-31.92	-32.28
1100	-0.10	-25.50	-25.45	25.04	-45.98	-40.14	-37.72	-38.21
1200	-0.10	-25.44	-25.39	25.15	-38.39	-36.81	-55.47	-47.14
1300	-0.11	-25.43	-25.37	24.52	-32.10	-31.79	-36.74	-36.50
1350	-0.12	-25.50	-25.46	25.38	-30.53	-30.52	-32.68	-32.43
1400	-0.12	-25.59	-25.51	26.25	-29.46	-29.45	-30.60	-30.95
1450	-0.12	-25.65	-25.58	26.46	-28.86	-29.03	-29.20	-29.21
1500	-0.12	-25.74	-25.67	27.18	-28.79	-28.92	-28.76	-28.79
1550	-0.13	-25.77	-25.90	26.42	-28.52	-28.87	-28.09	-28.03
1600	-0.12	-26.00	-25.91	30.16	-28.63	-29.06	-27.35	-27.18
1650	-0.13	-26.12	-26.00	31.53	-28.41	-28.89	-26.49	-26.68
1700	-0.12	-26.22	-26.10	35.07	-28.54	-29.22	-25.77	-26.17
1750	-0.13	-26.33	-26.18	37.50	-28.85	-29.52	-25.65	-26.57
1800	-0.13	-26.38	-26.35	36.91	-29.76	-30.45	-25.66	-26.93
1850	-0.13	-26.44	-26.45	36.04	-30.15	-31.11	-26.10	-27.15
1900	-0.13	-26.56	-26.40	44.38	-30.92	-32.08	-26.16	-27.37
1950	-0.13	-26.60	-26.42	45.73	-31.31	-32.72	-26.58	-27.15
2000	-0.13	-26.62	-26.44	37.86	-32.23	-33.62	-27.54	-27.93
2100	-0.14	-26.62	-26.36	37.72	-35.42	-37.19	-31.65	-30.97
2200	-0.15	-26.34	-26.30	36.44	-40.35	-42.85	-34.56	-33.60
2300	-0.15	-26.27	-26.05	34.05	-46.66	-49.65	-33.30	-33.98
2400	-0.16	-26.13	-25.85	31.81	-53.23	-47.70	-36.74	-36.79
2500	-0.17	-25.91	-25.67	31.91	-43.98	-42.46	-41.33	-40.83
2600	-0.19	-25.75	-25.49	32.36	-37.18	-36.42	-41.37	-40.13
2700	-0.20	-25.65	-25.42	34.13	-32.70	-32.31	-33.23	-31.38
2800	-0.21	-25.62	-25.46	29.67	-29.96	-29.39	-29.44	-28.59
2900	-0.21	-25.67	-25.52	27.28	-28.00	-27.58	-27.92	-27.63
3000	-0.21	-25.88	-25.76	26.05	-26.67	-26.08	-27.84	-27.41
3100	-0.21	-26.18	-26.07	24.86	-25.94	-25.37	-28.69	-27.61
3200	-0.22	-26.65	-26.63	23.60	-25.99	-25.53	-29.96	-28.68
3300	-0.21	-27.23	-27.18	24.49	-27.14	-26.61	-31.43	-29.32

Bi-Directional Coupler

BDCH-25-33+

Typical Performance Data

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

Freq. (MHz)	I. Loss (dB) In - Out	Coupling (dB)		Directivity (dB) In - Fwd	Return Loss (dB)			
		In - Fwd	Out - Rev		In	Out	Fwd	Rev
50	-0.04	-48.66	-48.63	25.91	-49.52	-49.28	-54.71	-55.56
100	-0.05	-42.68	-42.67	24.52	-38.85	-38.75	-39.40	-39.35
200	-0.05	-36.79	-36.78	23.00	-27.17	-27.03	-25.66	-25.65
300	-0.06	-33.44	-33.44	23.86	-24.51	-24.45	-24.61	-24.69
400	-0.06	-31.14	-31.15	25.26	-25.38	-25.43	-25.96	-25.89
500	-0.06	-29.47	-29.49	25.66	-26.13	-26.05	-25.63	-25.55
600	-0.06	-28.21	-28.24	26.58	-26.83	-26.66	-27.30	-27.21
700	-0.06	-27.25	-27.29	27.99	-28.41	-28.29	-28.76	-28.56
800	-0.07	-26.52	-26.57	27.70	-29.29	-29.25	-28.08	-28.09
900	-0.08	-26.02	-26.07	27.62	-30.27	-30.26	-29.11	-29.20
1000	-0.08	-25.68	-25.72	27.99	-34.10	-34.55	-32.28	-31.92
1100	-0.09	-25.45	-25.50	27.80	-40.14	-45.98	-38.21	-37.72
1200	-0.10	-25.39	-25.44	28.15	-36.81	-38.39	-47.14	-55.47
1300	-0.11	-25.37	-25.43	27.25	-31.79	-32.10	-36.50	-36.74
1350	-0.11	-25.46	-25.50	28.29	-30.52	-30.53	-32.43	-32.68
1400	-0.11	-25.51	-25.59	29.15	-29.45	-29.46	-30.95	-30.60
1450	-0.12	-25.58	-25.65	28.95	-29.03	-28.86	-29.21	-29.20
1500	-0.11	-25.67	-25.74	29.55	-28.92	-28.79	-28.79	-28.76
1550	-0.13	-25.90	-25.77	29.00	-28.87	-28.52	-28.03	-28.09
1600	-0.11	-25.91	-26.00	33.03	-29.06	-28.63	-27.18	-27.35
1650	-0.12	-26.00	-26.12	33.11	-28.89	-28.41	-26.68	-26.49
1700	-0.12	-26.10	-26.22	32.95	-29.22	-28.54	-26.17	-25.77
1750	-0.12	-26.18	-26.33	32.20	-29.52	-28.85	-26.57	-25.65
1800	-0.13	-26.35	-26.38	31.11	-30.45	-29.76	-26.93	-25.66
1850	-0.13	-26.45	-26.44	31.22	-31.11	-30.15	-27.15	-26.10
1900	-0.12	-26.40	-26.56	31.12	-32.08	-30.92	-27.37	-26.16
1950	-0.12	-26.42	-26.60	29.51	-32.72	-31.31	-27.15	-26.58
2000	-0.13	-26.44	-26.62	27.82	-33.62	-32.23	-27.93	-27.54
2100	-0.13	-26.36	-26.62	29.26	-37.19	-35.42	-30.97	-31.65
2200	-0.14	-26.30	-26.34	29.18	-42.85	-40.35	-33.60	-34.56
2300	-0.14	-26.05	-26.27	28.91	-49.65	-46.66	-33.98	-33.30
2400	-0.16	-25.85	-26.13	30.04	-47.70	-53.23	-36.79	-36.74
2500	-0.16	-25.67	-25.91	33.55	-42.46	-43.98	-40.83	-41.33
2600	-0.18	-25.49	-25.75	38.35	-36.42	-37.18	-40.13	-41.37
2700	-0.19	-25.42	-25.65	37.99	-32.31	-32.70	-31.38	-33.23
2800	-0.20	-25.46	-25.62	37.51	-29.39	-29.96	-28.59	-29.44
2900	-0.20	-25.52	-25.67	34.60	-27.58	-28.00	-27.63	-27.92
3000	-0.20	-25.76	-25.88	29.71	-26.08	-26.67	-27.41	-27.84
3100	-0.21	-26.07	-26.18	28.86	-25.37	-25.94	-27.61	-28.69
3200	-0.21	-26.63	-26.65	25.62	-25.53	-25.99	-28.68	-29.96
3300	-0.21	-27.18	-27.23	25.66	-26.61	-27.14	-29.32	-31.43

Bi-Directional Coupler

BDCH-25-33+

Typical Performance Data

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

Freq. (MHz)	I. Loss (dB) In - Out	Coupling (dB)		Directivity (dB) In - Fwd	Return Loss (dB)			
		In - Fwd	Out - Rev		In	Out	Fwd	Rev
50	0.00	-48.66	-48.64	25.83	-54.71	-55.56	-49.52	-49.28
100	-0.01	-42.67	-42.67	24.40	-39.40	-39.35	-38.85	-38.75
200	-0.03	-36.78	-36.79	23.36	-25.66	-25.65	-27.17	-27.03
300	-0.04	-33.43	-33.44	24.46	-24.61	-24.69	-24.51	-24.45
400	-0.04	-31.14	-31.16	26.11	-25.96	-25.89	-25.38	-25.43
500	-0.05	-29.47	-29.50	25.93	-25.63	-25.55	-26.13	-26.05
600	-0.05	-28.21	-28.24	26.58	-27.30	-27.21	-26.83	-26.66
700	-0.06	-27.25	-27.29	27.52	-28.76	-28.56	-28.41	-28.29
800	-0.07	-26.52	-26.57	26.94	-28.08	-28.09	-29.29	-29.25
900	-0.07	-26.02	-26.06	26.34	-29.11	-29.20	-30.27	-30.26
1000	-0.08	-25.67	-25.72	25.99	-32.28	-31.92	-34.10	-34.55
1100	-0.09	-25.45	-25.50	25.70	-38.21	-37.72	-40.14	-45.98
1200	-0.10	-25.38	-25.43	26.05	-47.14	-55.47	-36.81	-38.39
1300	-0.11	-25.37	-25.42	25.26	-36.50	-36.74	-31.79	-32.10
1350	-0.11	-25.46	-25.49	26.00	-32.43	-32.68	-30.52	-30.53
1400	-0.11	-25.51	-25.58	26.93	-30.95	-30.60	-29.45	-29.46
1450	-0.12	-25.58	-25.65	26.86	-29.21	-29.20	-29.03	-28.86
1500	-0.12	-25.66	-25.73	27.44	-28.79	-28.76	-28.92	-28.79
1550	-0.13	-25.91	-25.77	26.16	-28.03	-28.09	-28.87	-28.52
1600	-0.12	-25.90	-25.99	29.92	-27.18	-27.35	-29.06	-28.63
1650	-0.13	-26.00	-26.11	31.08	-26.68	-26.49	-28.89	-28.41
1700	-0.13	-26.10	-26.21	34.41	-26.17	-25.77	-29.22	-28.54
1750	-0.13	-26.18	-26.32	36.42	-26.57	-25.65	-29.52	-28.85
1800	-0.13	-26.35	-26.36	37.37	-26.93	-25.66	-30.45	-29.76
1850	-0.13	-26.44	-26.44	35.22	-27.15	-26.10	-31.11	-30.15
1900	-0.13	-26.40	-26.54	39.46	-27.37	-26.16	-32.08	-30.92
1950	-0.13	-26.41	-26.59	36.27	-27.15	-26.58	-32.72	-31.31
2000	-0.13	-26.43	-26.61	32.92	-27.93	-27.54	-33.62	-32.23
2100	-0.14	-26.36	-26.61	31.43	-30.97	-31.65	-37.19	-35.42
2200	-0.15	-26.30	-26.33	33.48	-33.60	-34.56	-42.85	-40.35
2300	-0.14	-26.04	-26.27	31.11	-33.98	-33.30	-49.65	-46.66
2400	-0.16	-25.84	-26.12	30.95	-36.79	-36.74	-47.70	-53.23
2500	-0.17	-25.68	-25.91	31.82	-40.83	-41.33	-42.46	-43.98
2600	-0.18	-25.49	-25.75	33.42	-40.13	-41.37	-36.42	-37.18
2700	-0.19	-25.42	-25.64	32.48	-31.38	-33.23	-32.31	-32.70
2800	-0.21	-25.46	-25.62	28.99	-28.59	-29.44	-29.39	-29.96
2900	-0.21	-25.52	-25.66	27.73	-27.63	-27.92	-27.58	-28.00
3000	-0.21	-25.76	-25.86	26.92	-27.41	-27.84	-26.08	-26.67
3100	-0.21	-26.07	-26.17	26.09	-27.61	-28.69	-25.37	-25.94
3200	-0.22	-26.62	-26.63	24.63	-28.68	-29.96	-25.53	-25.99
3300	-0.21	-27.17	-27.21	25.23	-29.32	-31.43	-26.61	-27.14

Bi-Directional Coupler

BDCH-25-33+

Typical Performance Data

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

Freq. (MHz)	I. Loss (dB) In - Out	Coupling (dB)		Directivity (dB) In - Fwd	Return Loss (dB)			
		In - Fwd	Out - Rev		In	Out	Fwd	Rev
50	-0.01	-48.64	-48.66	25.86	-55.56	-54.71	-49.28	-49.52
100	-0.01	-42.67	-42.67	24.57	-39.35	-39.40	-38.75	-38.85
200	-0.03	-36.79	-36.78	23.14	-25.65	-25.66	-27.03	-27.17
300	-0.03	-33.44	-33.43	24.01	-24.69	-24.61	-24.45	-24.51
400	-0.03	-31.16	-31.14	25.45	-25.89	-25.96	-25.43	-25.38
500	-0.04	-29.50	-29.47	25.88	-25.55	-25.63	-26.05	-26.13
600	-0.04	-28.24	-28.21	26.93	-27.21	-27.30	-26.66	-26.83
700	-0.05	-27.29	-27.25	28.40	-28.56	-28.76	-28.29	-28.41
800	-0.06	-26.57	-26.52	28.07	-28.09	-28.08	-29.25	-29.29
900	-0.07	-26.06	-26.02	27.48	-29.20	-29.11	-30.26	-30.27
1000	-0.08	-25.72	-25.67	27.31	-31.92	-32.28	-34.55	-34.10
1100	-0.08	-25.50	-25.45	26.84	-37.72	-38.21	-45.98	-40.14
1200	-0.09	-25.43	-25.38	26.96	-55.47	-47.14	-38.39	-36.81
1300	-0.10	-25.42	-25.37	26.15	-36.74	-36.50	-32.10	-31.79
1350	-0.10	-25.49	-25.46	27.16	-32.68	-32.43	-30.53	-30.52
1400	-0.11	-25.58	-25.51	28.00	-30.60	-30.95	-29.46	-29.45
1450	-0.11	-25.65	-25.58	28.05	-29.20	-29.21	-28.86	-29.03
1500	-0.11	-25.73	-25.66	28.85	-28.76	-28.79	-28.79	-28.92
1550	-0.12	-25.77	-25.91	29.09	-28.09	-28.03	-28.52	-28.87
1600	-0.12	-25.99	-25.90	33.09	-27.35	-27.18	-28.63	-29.06
1650	-0.12	-26.11	-26.00	33.61	-26.49	-26.68	-28.41	-28.89
1700	-0.12	-26.21	-26.10	33.87	-25.77	-26.17	-28.54	-29.22
1750	-0.12	-26.32	-26.18	33.84	-25.65	-26.57	-28.85	-29.52
1800	-0.12	-26.36	-26.35	32.88	-25.66	-26.93	-29.76	-30.45
1850	-0.12	-26.44	-26.44	33.52	-26.10	-27.15	-30.15	-31.11
1900	-0.12	-26.54	-26.40	33.89	-26.16	-27.37	-30.92	-32.08
1950	-0.12	-26.59	-26.41	32.21	-26.58	-27.15	-31.31	-32.72
2000	-0.12	-26.61	-26.43	29.63	-27.54	-27.93	-32.23	-33.62
2100	-0.13	-26.61	-26.36	31.68	-31.65	-30.97	-35.42	-37.19
2200	-0.14	-26.33	-26.30	29.90	-34.56	-33.60	-40.35	-42.85
2300	-0.14	-26.27	-26.04	28.61	-33.30	-33.98	-46.66	-49.65
2400	-0.16	-26.12	-25.84	27.60	-36.74	-36.79	-53.23	-47.70
2500	-0.17	-25.91	-25.68	29.92	-41.33	-40.83	-43.98	-42.46
2600	-0.18	-25.75	-25.49	32.49	-41.37	-40.13	-37.18	-36.42
2700	-0.19	-25.64	-25.42	35.32	-33.23	-31.38	-32.70	-32.31
2800	-0.21	-25.62	-25.46	37.09	-29.44	-28.59	-29.96	-29.39
2900	-0.21	-25.66	-25.52	35.46	-27.92	-27.63	-28.00	-27.58
3000	-0.21	-25.86	-25.76	29.64	-27.84	-27.41	-26.67	-26.08
3100	-0.21	-26.17	-26.07	28.25	-28.69	-27.61	-25.94	-25.37
3200	-0.21	-26.63	-26.62	25.33	-29.96	-28.68	-25.99	-25.53
3300	-0.21	-27.21	-27.17	25.80	-31.43	-29.32	-27.14	-26.61

Bi-Directional Coupler

BDCH-25-33+

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	-0.05	-48.59	-48.59	26.54	-40.14	-39.46	-40.10	-39.93	
100	-0.06	-42.63	-42.63	26.47	-34.57	-34.55	-34.94	-34.47	
200	-0.07	-36.73	-36.72	26.24	-29.37	-29.32	-29.99	-29.91	
300	-0.07	-33.37	-33.37	26.16	-27.09	-26.90	-27.67	-27.34	
400	-0.08	-31.10	-31.09	25.51	-25.43	-25.54	-26.10	-25.91	
500	-0.08	-29.44	-29.43	25.46	-24.98	-24.93	-25.32	-25.05	
600	-0.08	-28.19	-28.17	25.81	-25.29	-25.22	-25.33	-25.19	
700	-0.09	-27.24	-27.22	26.10	-25.86	-26.11	-25.86	-25.97	
800	-0.09	-26.53	-26.49	26.27	-27.91	-27.89	-27.21	-27.23	
900	-0.10	-26.01	-25.98	26.35	-30.22	-30.52	-29.46	-29.25	
1000	-0.11	-25.65	-25.62	25.83	-35.24	-35.26	-32.58	-32.35	
1100	-0.12	-25.45	-25.41	25.77	-47.79	-39.76	-38.06	-37.34	
1200	-0.13	-25.37	-25.34	25.50	-41.30	-36.91	-52.23	-41.29	
1300	-0.14	-25.41	-25.36	25.72	-33.97	-33.51	-38.30	-35.82	
1350	-0.14	-25.45	-25.40	25.89	-32.23	-31.91	-34.99	-33.69	
1400	-0.14	-25.52	-25.46	26.87	-31.50	-30.94	-32.90	-32.26	
1450	-0.15	-25.60	-25.54	26.99	-30.21	-30.28	-31.32	-31.34	
1500	-0.15	-25.68	-25.64	26.88	-29.42	-29.69	-30.15	-30.40	
1550	-0.16	-25.80	-25.78	28.46	-29.24	-29.39	-29.42	-29.82	
1600	-0.15	-25.93	-25.88	29.49	-29.04	-29.32	-28.65	-29.20	
1650	-0.16	-26.05	-26.00	29.97	-28.81	-29.68	-28.32	-28.64	
1700	-0.15	-26.18	-26.07	30.96	-28.96	-29.84	-28.19	-28.33	
1750	-0.15	-26.28	-26.17	33.39	-29.64	-30.23	-28.17	-28.15	
1800	-0.15	-26.38	-26.27	34.67	-29.85	-30.76	-28.13	-28.03	
1850	-0.16	-26.46	-26.33	37.05	-30.19	-31.46	-27.88	-27.93	
1900	-0.15	-26.52	-26.39	38.27	-31.14	-32.07	-27.83	-27.92	
1950	-0.15	-26.56	-26.40	39.71	-32.05	-32.80	-27.72	-27.99	
2000	-0.16	-26.58	-26.43	38.96	-32.42	-33.75	-27.84	-28.23	
2100	-0.16	-26.56	-26.37	37.43	-35.08	-35.27	-28.68	-29.41	
2200	-0.17	-26.43	-26.22	34.96	-35.72	-36.27	-29.69	-30.35	
2300	-0.18	-26.25	-26.04	33.56	-37.98	-36.36	-30.73	-30.19	
2400	-0.19	-26.06	-25.84	31.99	-37.55	-36.03	-30.89	-30.15	
2500	-0.20	-25.86	-25.63	28.86	-34.92	-34.04	-30.42	-30.27	
2600	-0.22	-25.71	-25.50	29.17	-33.31	-31.89	-29.60	-30.34	
2700	-0.22	-25.59	-25.41	27.29	-30.22	-29.64	-29.74	-29.98	
2800	-0.24	-25.52	-25.39	26.84	-28.77	-27.99	-30.72	-29.66	
2900	-0.24	-25.61	-25.51	25.90	-27.36	-26.60	-30.36	-29.01	
3000	-0.25	-25.81	-25.72	25.12	-26.37	-25.91	-29.97	-28.74	
3100	-0.25	-26.15	-26.09	23.79	-26.59	-25.66	-29.86	-29.37	
3200	-0.25	-26.56	-26.54	22.97	-26.64	-26.20	-29.87	-30.67	
3300	-0.24	-27.21	-27.19	21.53	-28.32	-27.61	-31.12	-31.99	

Bi-Directional Coupler

BDCH-25-33+

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	-0.04	-48.59	-48.59	26.48	-39.46	-40.14	-39.93	-40.10	
100	-0.06	-42.63	-42.63	26.58	-34.55	-34.57	-34.47	-34.94	
200	-0.06	-36.72	-36.73	26.23	-29.32	-29.37	-29.91	-29.99	
300	-0.07	-33.37	-33.37	25.80	-26.90	-27.09	-27.34	-27.67	
400	-0.07	-31.09	-31.10	25.42	-25.54	-25.43	-25.91	-26.10	
500	-0.08	-29.43	-29.44	25.19	-24.93	-24.98	-25.05	-25.32	
600	-0.08	-28.17	-28.19	25.45	-25.22	-25.29	-25.19	-25.33	
700	-0.08	-27.22	-27.24	25.82	-26.11	-25.86	-25.97	-25.86	
800	-0.09	-26.49	-26.53	26.16	-27.89	-27.91	-27.23	-27.21	
900	-0.09	-25.98	-26.01	26.57	-30.52	-30.22	-29.25	-29.46	
1000	-0.10	-25.62	-25.65	27.10	-35.26	-35.24	-32.35	-32.58	
1100	-0.11	-25.41	-25.45	27.34	-39.76	-47.79	-37.34	-38.06	
1200	-0.12	-25.34	-25.37	27.69	-36.91	-41.30	-41.29	-52.23	
1300	-0.13	-25.36	-25.41	27.93	-33.51	-33.97	-35.82	-38.30	
1350	-0.14	-25.40	-25.45	27.96	-31.91	-32.23	-33.69	-34.99	
1400	-0.13	-25.46	-25.52	28.44	-30.94	-31.50	-32.26	-32.90	
1450	-0.14	-25.54	-25.60	28.44	-30.28	-30.21	-31.34	-31.32	
1500	-0.14	-25.64	-25.68	28.21	-29.69	-29.42	-30.40	-30.15	
1550	-0.15	-25.78	-25.80	29.43	-29.39	-29.24	-29.82	-29.42	
1600	-0.14	-25.88	-25.93	30.40	-29.32	-29.04	-29.20	-28.65	
1650	-0.15	-26.00	-26.05	30.54	-29.68	-28.81	-28.64	-28.32	
1700	-0.15	-26.07	-26.18	31.13	-29.84	-28.96	-28.33	-28.19	
1750	-0.15	-26.17	-26.28	31.32	-30.23	-29.64	-28.15	-28.17	
1800	-0.15	-26.27	-26.38	31.15	-30.76	-29.85	-28.03	-28.13	
1850	-0.16	-26.33	-26.46	30.15	-31.46	-30.19	-27.93	-27.88	
1900	-0.15	-26.39	-26.52	30.26	-32.07	-31.14	-27.92	-27.83	
1950	-0.15	-26.40	-26.56	29.27	-32.80	-32.05	-27.99	-27.72	
2000	-0.16	-26.43	-26.58	28.70	-33.75	-32.42	-28.23	-27.84	
2100	-0.16	-26.37	-26.56	28.99	-35.27	-35.08	-29.41	-28.68	
2200	-0.16	-26.22	-26.43	28.37	-36.27	-35.72	-30.35	-29.69	
2300	-0.17	-26.04	-26.25	28.39	-36.36	-37.98	-30.19	-30.73	
2400	-0.18	-25.84	-26.06	28.78	-36.03	-37.55	-30.15	-30.89	
2500	-0.19	-25.63	-25.86	29.29	-34.04	-34.92	-30.27	-30.42	
2600	-0.21	-25.50	-25.71	30.52	-31.89	-33.31	-30.34	-29.60	
2700	-0.21	-25.41	-25.59	31.15	-29.64	-30.22	-29.98	-29.74	
2800	-0.22	-25.39	-25.52	31.00	-27.99	-28.77	-29.66	-30.72	
2900	-0.23	-25.51	-25.61	31.19	-26.60	-27.36	-29.01	-30.36	
3000	-0.23	-25.72	-25.81	29.40	-25.91	-26.37	-28.74	-29.97	
3100	-0.23	-26.09	-26.15	28.62	-25.66	-26.59	-29.37	-29.86	
3200	-0.24	-26.54	-26.56	26.57	-26.20	-26.64	-30.67	-29.87	
3300	-0.23	-27.19	-27.21	23.94	-27.61	-28.32	-31.99	-31.12	

Bi-Directional Coupler

BDCH-25-33+

Typical Performance Data

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

Freq. (MHz)	I. Loss (dB) In - Out	Coupling (dB)		Directivity (dB) In - Fwd	Return Loss (dB)			
		In - Fwd	Out - Rev		In	Out	Fwd	Rev
50	-0.04	-48.59	-48.59	26.35	-39.93	-40.10	-39.46	-40.14
100	-0.05	-42.63	-42.64	26.37	-34.47	-34.94	-34.55	-34.57
200	-0.05	-36.72	-36.74	26.29	-29.91	-29.99	-29.32	-29.37
300	-0.05	-33.37	-33.38	25.72	-27.34	-27.67	-26.90	-27.09
400	-0.06	-31.09	-31.11	25.32	-25.91	-26.10	-25.54	-25.43
500	-0.06	-29.43	-29.45	25.01	-25.05	-25.32	-24.93	-24.98
600	-0.07	-28.17	-28.20	25.19	-25.19	-25.33	-25.22	-25.29
700	-0.07	-27.22	-27.25	25.46	-25.97	-25.86	-26.11	-25.86
800	-0.08	-26.50	-26.54	25.82	-27.23	-27.21	-27.89	-27.91
900	-0.08	-25.98	-26.02	26.14	-29.25	-29.46	-30.52	-30.22
1000	-0.09	-25.62	-25.66	26.20	-32.35	-32.58	-35.26	-35.24
1100	-0.10	-25.41	-25.46	26.30	-37.34	-38.06	-39.76	-47.79
1200	-0.11	-25.34	-25.37	26.29	-41.29	-52.23	-36.91	-41.30
1300	-0.12	-25.36	-25.41	26.68	-35.82	-38.30	-33.51	-33.97
1350	-0.12	-25.41	-25.46	26.82	-33.69	-34.99	-31.91	-32.23
1400	-0.12	-25.46	-25.52	27.20	-32.26	-32.90	-30.94	-31.50
1450	-0.13	-25.54	-25.61	27.27	-31.34	-31.32	-30.28	-30.21
1500	-0.13	-25.64	-25.68	27.23	-30.40	-30.15	-29.69	-29.42
1550	-0.14	-25.79	-25.81	28.45	-29.82	-29.42	-29.39	-29.24
1600	-0.14	-25.87	-25.93	28.97	-29.20	-28.65	-29.32	-29.04
1650	-0.14	-26.00	-26.06	29.45	-28.64	-28.32	-29.68	-28.81
1700	-0.14	-26.07	-26.18	30.20	-28.33	-28.19	-29.84	-28.96
1750	-0.14	-26.18	-26.29	32.04	-28.15	-28.17	-30.23	-29.64
1800	-0.14	-26.26	-26.38	33.24	-28.03	-28.13	-30.76	-29.85
1850	-0.14	-26.34	-26.47	34.61	-27.93	-27.88	-31.46	-30.19
1900	-0.15	-26.39	-26.52	35.32	-27.92	-27.83	-32.07	-31.14
1950	-0.15	-26.40	-26.57	35.17	-27.99	-27.72	-32.80	-32.05
2000	-0.15	-26.43	-26.58	34.07	-28.23	-27.84	-33.75	-32.42
2100	-0.16	-26.37	-26.56	32.03	-29.41	-28.68	-35.27	-35.08
2200	-0.16	-26.22	-26.43	31.05	-30.35	-29.69	-36.27	-35.72
2300	-0.17	-26.04	-26.26	30.38	-30.19	-30.73	-36.36	-37.98
2400	-0.18	-25.84	-26.07	29.21	-30.15	-30.89	-36.03	-37.55
2500	-0.19	-25.63	-25.87	28.05	-30.27	-30.42	-34.04	-34.92
2600	-0.20	-25.50	-25.72	28.51	-30.34	-29.60	-31.89	-33.31
2700	-0.22	-25.41	-25.59	28.05	-29.98	-29.74	-29.64	-30.22
2800	-0.22	-25.40	-25.52	27.83	-29.66	-30.72	-27.99	-28.77
2900	-0.23	-25.51	-25.61	26.81	-29.01	-30.36	-26.60	-27.36
3000	-0.24	-25.72	-25.80	26.51	-28.74	-29.97	-25.91	-26.37
3100	-0.24	-26.09	-26.14	24.65	-29.37	-29.86	-25.66	-26.59
3200	-0.24	-26.55	-26.55	23.70	-30.67	-29.87	-26.20	-26.64
3300	-0.23	-27.19	-27.20	22.17	-31.99	-31.12	-27.61	-28.32

Bi-Directional Coupler

BDCH-25-33+

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	-0.04	-48.59	-48.59	26.28	-40.10	-39.93	-40.14	-39.46	
100	-0.05	-42.64	-42.63	26.42	-34.94	-34.47	-34.57	-34.55	
200	-0.05	-36.74	-36.72	26.24	-29.99	-29.91	-29.37	-29.32	
300	-0.06	-33.38	-33.37	26.30	-27.67	-27.34	-27.09	-26.90	
400	-0.06	-31.11	-31.09	26.02	-26.10	-25.91	-25.43	-25.54	
500	-0.07	-29.45	-29.43	25.88	-25.32	-25.05	-24.98	-24.93	
600	-0.07	-28.20	-28.17	26.31	-25.33	-25.19	-25.29	-25.22	
700	-0.07	-27.25	-27.22	26.64	-25.86	-25.97	-25.86	-26.11	
800	-0.08	-26.54	-26.50	26.63	-27.21	-27.23	-27.91	-27.89	
900	-0.08	-26.02	-25.98	26.60	-29.46	-29.25	-30.22	-30.52	
1000	-0.09	-25.66	-25.62	26.56	-32.58	-32.35	-35.24	-35.26	
1100	-0.10	-25.46	-25.41	26.55	-38.06	-37.34	-47.79	-39.76	
1200	-0.11	-25.37	-25.34	26.62	-52.23	-41.29	-41.30	-36.91	
1300	-0.12	-25.41	-25.36	26.88	-38.30	-35.82	-33.97	-33.51	
1350	-0.12	-25.46	-25.41	27.12	-34.99	-33.69	-32.23	-31.91	
1400	-0.13	-25.52	-25.46	27.73	-32.90	-32.26	-31.50	-30.94	
1450	-0.13	-25.61	-25.54	27.96	-31.32	-31.34	-30.21	-30.28	
1500	-0.13	-25.68	-25.64	28.22	-30.15	-30.40	-29.42	-29.69	
1550	-0.14	-25.81	-25.79	29.77	-29.42	-29.82	-29.24	-29.39	
1600	-0.14	-25.93	-25.87	30.96	-28.65	-29.20	-29.04	-29.32	
1650	-0.14	-26.06	-26.00	31.59	-28.32	-28.64	-28.81	-29.68	
1700	-0.14	-26.18	-26.07	32.62	-28.19	-28.33	-28.96	-29.84	
1750	-0.14	-26.29	-26.18	33.46	-28.17	-28.15	-29.64	-30.23	
1800	-0.14	-26.38	-26.26	33.73	-28.13	-28.03	-29.85	-30.76	
1850	-0.14	-26.47	-26.34	32.87	-27.88	-27.93	-30.19	-31.46	
1900	-0.15	-26.52	-26.39	32.90	-27.83	-27.92	-31.14	-32.07	
1950	-0.15	-26.57	-26.40	32.12	-27.72	-27.99	-32.05	-32.80	
2000	-0.15	-26.58	-26.43	31.17	-27.84	-28.23	-32.42	-33.75	
2100	-0.16	-26.56	-26.37	31.17	-28.68	-29.41	-35.08	-35.27	
2200	-0.16	-26.43	-26.22	30.02	-29.69	-30.35	-35.72	-36.27	
2300	-0.17	-26.26	-26.04	28.85	-30.73	-30.19	-37.98	-36.36	
2400	-0.18	-26.07	-25.84	28.25	-30.89	-30.15	-37.55	-36.03	
2500	-0.19	-25.87	-25.63	28.30	-30.42	-30.27	-34.92	-34.04	
2600	-0.21	-25.72	-25.50	28.79	-29.60	-30.34	-33.31	-31.89	
2700	-0.22	-25.59	-25.41	29.21	-29.74	-29.98	-30.22	-29.64	
2800	-0.23	-25.52	-25.40	29.07	-30.72	-29.66	-28.77	-27.99	
2900	-0.24	-25.61	-25.51	29.44	-30.36	-29.01	-27.36	-26.60	
3000	-0.24	-25.80	-25.72	28.06	-29.97	-28.74	-26.37	-25.91	
3100	-0.25	-26.14	-26.09	27.27	-29.86	-29.37	-26.59	-25.66	
3200	-0.24	-26.55	-26.55	25.63	-29.87	-30.67	-26.64	-26.20	
3300	-0.24	-27.20	-27.19	23.48	-31.12	-31.99	-28.32	-27.61	

Bi-Directional Coupler

BDCH-25-33+

Typical Performance Data

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

Freq. (MHz)	I. Loss (dB) In - Out	Coupling (dB)		Directivity (dB) In - Fwd	Return Loss (dB)			
		In - Fwd	Out - Rev		In	Out	Fwd	Rev
50	-0.05	-48.51	-48.53	26.02	-35.50	-35.43	-34.13	-34.26
100	-0.06	-42.55	-42.55	27.93	-32.06	-32.01	-32.42	-32.16
200	-0.06	-36.66	-36.65	31.30	-31.67	-31.78	-38.19	-38.08
300	-0.06	-33.30	-33.29	29.36	-32.14	-32.39	-33.82	-33.78
400	-0.07	-31.03	-31.01	27.40	-29.28	-29.36	-27.76	-27.95
500	-0.08	-29.38	-29.35	27.26	-26.92	-27.10	-26.80	-27.15
600	-0.09	-28.14	-28.11	26.74	-25.71	-25.91	-26.83	-26.98
700	-0.09	-27.20	-27.16	26.22	-25.80	-25.93	-25.64	-25.80
800	-0.10	-26.47	-26.42	25.69	-26.31	-26.42	-25.42	-25.49
900	-0.11	-25.98	-25.92	25.57	-27.58	-27.75	-26.28	-26.19
1000	-0.11	-25.64	-25.58	25.12	-29.33	-29.49	-27.54	-27.49
1100	-0.12	-25.43	-25.35	24.11	-32.37	-32.49	-28.52	-28.63
1200	-0.13	-25.36	-25.28	23.81	-37.05	-37.44	-32.00	-32.17
1300	-0.13	-25.32	-25.26	23.05	-43.61	-47.78	-39.28	-39.57
1350	-0.14	-25.40	-25.37	23.75	-40.82	-43.86	-45.67	-49.81
1400	-0.14	-25.51	-25.41	24.05	-37.37	-39.01	-44.58	-63.45
1450	-0.15	-25.58	-25.48	23.93	-33.90	-35.12	-37.99	-40.24
1500	-0.14	-25.67	-25.57	24.34	-32.26	-32.98	-34.37	-35.97
1550	-0.15	-25.80	-25.77	25.95	-30.32	-31.15	-31.41	-32.54
1600	-0.15	-25.94	-25.82	26.58	-29.50	-30.13	-29.30	-29.79
1650	-0.15	-26.06	-25.92	27.06	-28.22	-28.83	-27.84	-28.17
1700	-0.15	-26.17	-26.01	28.40	-27.82	-28.35	-26.79	-26.70
1750	-0.16	-26.29	-26.11	29.17	-27.28	-27.72	-26.02	-25.78
1800	-0.16	-26.34	-26.29	31.78	-27.68	-27.76	-25.15	-25.00
1850	-0.16	-26.41	-26.38	31.44	-27.31	-27.47	-24.65	-24.45
1900	-0.16	-26.54	-26.33	36.06	-27.76	-27.66	-24.20	-24.35
1950	-0.16	-26.59	-26.35	37.69	-27.79	-27.74	-23.91	-23.87
2000	-0.16	-26.58	-26.40	34.16	-28.63	-28.11	-23.99	-23.94
2100	-0.16	-26.58	-26.30	35.67	-29.90	-29.12	-24.78	-24.12
2200	-0.17	-26.35	-26.20	34.93	-30.99	-29.96	-25.32	-24.51
2300	-0.18	-26.24	-25.96	29.38	-32.16	-31.00	-26.02	-25.64
2400	-0.19	-26.08	-25.77	26.96	-32.81	-31.64	-28.26	-27.55
2500	-0.20	-25.86	-25.58	25.20	-32.94	-32.01	-30.65	-29.58
2600	-0.21	-25.71	-25.40	25.09	-32.41	-31.14	-33.16	-31.55
2700	-0.22	-25.55	-25.33	24.68	-31.32	-29.90	-36.68	-33.45
2800	-0.23	-25.54	-25.35	24.84	-30.51	-28.68	-44.64	-33.77
2900	-0.23	-25.62	-25.41	25.62	-29.79	-28.08	-47.27	-33.76
3000	-0.23	-25.77	-25.63	26.61	-29.36	-27.35	-44.66	-31.63
3100	-0.23	-26.12	-25.98	27.83	-29.28	-27.11	-38.47	-29.47
3200	-0.24	-26.49	-26.53	24.26	-29.65	-27.40	-35.44	-30.00
3300	-0.23	-27.12	-27.01	27.28	-30.85	-28.22	-32.85	-30.29

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Bi-Directional Coupler

BDCH-25-33+

Typical Performance Data

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

Freq. (MHz)	I. Loss (dB) In - Out	Coupling (dB)		Directivity (dB) In - Fwd	Return Loss (dB)			
		In - Fwd	Out - Rev		In	Out	Fwd	Rev
50	-0.05	-48.53	-48.51	26.50	-35.43	-35.50	-34.26	-34.13
100	-0.06	-42.55	-42.55	27.86	-32.01	-32.06	-32.16	-32.42
200	-0.06	-36.65	-36.66	31.40	-31.78	-31.67	-38.08	-38.19
300	-0.07	-33.29	-33.30	30.05	-32.39	-32.14	-33.78	-33.82
400	-0.07	-31.01	-31.03	27.45	-29.36	-29.28	-27.95	-27.76
500	-0.08	-29.35	-29.38	26.86	-27.10	-26.92	-27.15	-26.80
600	-0.09	-28.11	-28.14	27.01	-25.91	-25.71	-26.98	-26.83
700	-0.09	-27.16	-27.20	26.65	-25.93	-25.80	-25.80	-25.64
800	-0.10	-26.42	-26.47	26.18	-26.42	-26.31	-25.49	-25.42
900	-0.11	-25.92	-25.98	26.38	-27.75	-27.58	-26.19	-26.28
1000	-0.11	-25.58	-25.64	26.82	-29.49	-29.33	-27.49	-27.54
1100	-0.12	-25.35	-25.43	26.31	-32.49	-32.37	-28.63	-28.52
1200	-0.13	-25.28	-25.36	25.84	-37.44	-37.05	-32.17	-32.00
1300	-0.13	-25.26	-25.32	24.85	-47.78	-43.61	-39.57	-39.28
1350	-0.14	-25.37	-25.40	25.84	-43.86	-40.82	-49.81	-45.67
1400	-0.13	-25.41	-25.51	26.40	-39.01	-37.37	-63.45	-44.58
1450	-0.15	-25.48	-25.58	26.15	-35.12	-33.90	-40.24	-37.99
1500	-0.14	-25.57	-25.67	26.24	-32.98	-32.26	-35.97	-34.37
1550	-0.15	-25.77	-25.80	28.50	-31.15	-30.32	-32.54	-31.41
1600	-0.14	-25.82	-25.94	28.35	-30.13	-29.50	-29.79	-29.30
1650	-0.15	-25.92	-26.06	28.68	-28.83	-28.22	-28.17	-27.84
1700	-0.15	-26.01	-26.17	28.58	-28.35	-27.82	-26.70	-26.79
1750	-0.16	-26.11	-26.29	28.60	-27.72	-27.28	-25.78	-26.02
1800	-0.16	-26.29	-26.34	30.02	-27.76	-27.68	-25.00	-25.15
1850	-0.16	-26.38	-26.41	30.07	-27.47	-27.31	-24.45	-24.65
1900	-0.15	-26.33	-26.54	29.65	-27.66	-27.76	-24.35	-24.20
1950	-0.16	-26.35	-26.59	28.33	-27.74	-27.79	-23.87	-23.91
2000	-0.16	-26.40	-26.58	26.97	-28.11	-28.63	-23.94	-23.99
2100	-0.16	-26.30	-26.58	27.17	-29.12	-29.90	-24.12	-24.78
2200	-0.16	-26.20	-26.35	27.80	-29.96	-30.99	-24.51	-25.32
2300	-0.17	-25.96	-26.24	27.01	-31.00	-32.16	-25.64	-26.02
2400	-0.18	-25.77	-26.08	28.03	-31.64	-32.81	-27.55	-28.26
2500	-0.19	-25.58	-25.86	27.85	-32.01	-32.94	-29.58	-30.65
2600	-0.20	-25.40	-25.71	29.25	-31.14	-32.41	-31.55	-33.16
2700	-0.21	-25.33	-25.55	29.64	-29.90	-31.32	-33.45	-36.68
2800	-0.22	-25.35	-25.54	31.77	-28.68	-30.51	-33.77	-44.64
2900	-0.22	-25.41	-25.62	34.98	-28.08	-29.79	-33.76	-47.27
3000	-0.22	-25.63	-25.77	34.73	-27.35	-29.36	-31.63	-44.66
3100	-0.22	-25.98	-26.12	33.00	-27.11	-29.28	-29.47	-38.47
3200	-0.23	-26.53	-26.49	26.58	-27.40	-29.65	-30.00	-35.44
3300	-0.23	-27.01	-27.12	30.14	-28.22	-30.85	-30.29	-32.85

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Bi-Directional Coupler

BDCH-25-33+

Typical Performance Data

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

Freq. (MHz)	I. Loss (dB) In - Out	Coupling (dB)		Directivity (dB) In - Fwd	Return Loss (dB)			
		In - Fwd	Out - Rev		In	Out	Fwd	Rev
50	-0.03	-48.52	-48.51	26.34	-34.26	-34.13	-35.43	-35.50
100	-0.04	-42.55	-42.56	27.72	-32.16	-32.42	-32.01	-32.06
200	-0.04	-36.64	-36.66	31.50	-38.08	-38.19	-31.78	-31.67
300	-0.05	-33.28	-33.30	29.26	-33.78	-33.82	-32.39	-32.14
400	-0.06	-31.00	-31.03	27.41	-27.95	-27.76	-29.36	-29.28
500	-0.07	-29.35	-29.38	26.92	-27.15	-26.80	-27.10	-26.92
600	-0.07	-28.10	-28.14	26.34	-26.98	-26.83	-25.91	-25.71
700	-0.09	-27.15	-27.20	25.81	-25.80	-25.64	-25.93	-25.80
800	-0.10	-26.42	-26.47	25.46	-25.49	-25.42	-26.42	-26.31
900	-0.11	-25.92	-25.98	25.56	-26.19	-26.28	-27.75	-27.58
1000	-0.11	-25.57	-25.64	25.36	-27.49	-27.54	-29.49	-29.33
1100	-0.12	-25.34	-25.42	24.62	-28.63	-28.52	-32.49	-32.37
1200	-0.13	-25.27	-25.35	24.53	-32.17	-32.00	-37.44	-37.05
1300	-0.14	-25.25	-25.32	23.63	-39.57	-39.28	-47.78	-43.61
1350	-0.15	-25.36	-25.39	24.23	-49.81	-45.67	-43.86	-40.82
1400	-0.14	-25.40	-25.50	24.60	-63.45	-44.58	-39.01	-37.37
1450	-0.15	-25.48	-25.57	24.29	-40.24	-37.99	-35.12	-33.90
1500	-0.15	-25.57	-25.66	24.56	-35.97	-34.37	-32.98	-32.26
1550	-0.16	-25.76	-25.80	25.84	-32.54	-31.41	-31.15	-30.32
1600	-0.16	-25.81	-25.93	26.51	-29.79	-29.30	-30.13	-29.50
1650	-0.17	-25.92	-26.06	26.79	-28.17	-27.84	-28.83	-28.22
1700	-0.17	-26.01	-26.16	28.14	-26.70	-26.79	-28.35	-27.82
1750	-0.18	-26.10	-26.28	28.90	-25.78	-26.02	-27.72	-27.28
1800	-0.19	-26.29	-26.33	32.51	-25.00	-25.15	-27.76	-27.68
1850	-0.18	-26.38	-26.40	32.15	-24.45	-24.65	-27.47	-27.31
1900	-0.18	-26.33	-26.53	36.67	-24.35	-24.20	-27.66	-27.76
1950	-0.18	-26.34	-26.58	36.23	-23.87	-23.91	-27.74	-27.79
2000	-0.18	-26.40	-26.57	32.88	-23.94	-23.99	-28.11	-28.63
2100	-0.19	-26.30	-26.57	31.35	-24.12	-24.78	-29.12	-29.90
2200	-0.19	-26.20	-26.34	30.98	-24.51	-25.32	-29.96	-30.99
2300	-0.20	-25.96	-26.24	28.05	-25.64	-26.02	-31.00	-32.16
2400	-0.22	-25.77	-26.07	27.03	-27.55	-28.26	-31.64	-32.81
2500	-0.22	-25.58	-25.85	26.24	-29.58	-30.65	-32.01	-32.94
2600	-0.24	-25.40	-25.71	27.40	-31.55	-33.16	-31.14	-32.41
2700	-0.24	-25.33	-25.54	27.00	-33.45	-36.68	-29.90	-31.32
2800	-0.25	-25.35	-25.53	27.49	-33.77	-44.64	-28.68	-30.51
2900	-0.25	-25.41	-25.61	28.39	-33.76	-47.27	-28.08	-29.79
3000	-0.25	-25.63	-25.76	29.23	-31.63	-44.66	-27.35	-29.36
3100	-0.26	-25.98	-26.11	29.98	-29.47	-38.47	-27.11	-29.28
3200	-0.27	-26.52	-26.48	24.76	-30.00	-35.44	-27.40	-29.65
3300	-0.27	-27.00	-27.10	27.92	-30.29	-32.85	-28.22	-30.85

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Bi-Directional Coupler

BDCH-25-33+

Typical Performance Data

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

Freq. (MHz)	I. Loss (dB) In - Out	Coupling (dB)		Directivity (dB) In - Fwd	Return Loss (dB)			
		In - Fwd	Out - Rev		In	Out	Fwd	Rev
50	-0.02	-48.51	-48.52	25.97	-34.13	-34.26	-35.50	-35.43
100	-0.03	-42.56	-42.55	27.89	-32.42	-32.16	-32.06	-32.01
200	-0.04	-36.66	-36.64	31.98	-38.19	-38.08	-31.67	-31.78
300	-0.04	-33.30	-33.28	30.29	-33.82	-33.78	-32.14	-32.39
400	-0.05	-31.03	-31.00	27.69	-27.76	-27.95	-29.28	-29.36
500	-0.06	-29.38	-29.35	27.11	-26.80	-27.15	-26.92	-27.10
600	-0.07	-28.14	-28.10	27.45	-26.83	-26.98	-25.71	-25.91
700	-0.08	-27.20	-27.15	27.20	-25.64	-25.80	-25.80	-25.93
800	-0.09	-26.47	-26.42	26.61	-25.42	-25.49	-26.31	-26.42
900	-0.10	-25.98	-25.92	26.33	-26.28	-26.19	-27.58	-27.75
1000	-0.11	-25.64	-25.57	26.37	-27.54	-27.49	-29.33	-29.49
1100	-0.12	-25.42	-25.34	25.57	-28.52	-28.63	-32.37	-32.49
1200	-0.12	-25.35	-25.27	24.91	-32.00	-32.17	-37.05	-37.44
1300	-0.13	-25.32	-25.25	23.96	-39.28	-39.57	-43.61	-47.78
1350	-0.14	-25.39	-25.36	24.92	-45.67	-49.81	-40.82	-43.86
1400	-0.14	-25.50	-25.40	25.47	-44.58	-63.45	-37.37	-39.01
1450	-0.14	-25.57	-25.48	25.44	-37.99	-40.24	-33.90	-35.12
1500	-0.14	-25.66	-25.57	25.68	-34.37	-35.97	-32.26	-32.98
1550	-0.15	-25.80	-25.76	28.21	-31.41	-32.54	-30.32	-31.15
1600	-0.15	-25.93	-25.81	28.33	-29.30	-29.79	-29.50	-30.13
1650	-0.16	-26.06	-25.92	28.93	-27.84	-28.17	-28.22	-28.83
1700	-0.17	-26.16	-26.01	28.91	-26.79	-26.70	-27.82	-28.35
1750	-0.17	-26.28	-26.10	29.33	-26.02	-25.78	-27.28	-27.72
1800	-0.18	-26.33	-26.29	30.80	-25.15	-25.00	-27.68	-27.76
1850	-0.18	-26.40	-26.38	31.01	-24.65	-24.45	-27.31	-27.47
1900	-0.17	-26.53	-26.33	31.02	-24.20	-24.35	-27.76	-27.66
1950	-0.17	-26.58	-26.34	29.75	-23.91	-23.87	-27.79	-27.74
2000	-0.17	-26.57	-26.40	27.54	-23.99	-23.94	-28.63	-28.11
2100	-0.18	-26.57	-26.30	27.86	-24.78	-24.12	-29.90	-29.12
2200	-0.19	-26.34	-26.20	27.33	-25.32	-24.51	-30.99	-29.96
2300	-0.19	-26.24	-25.96	25.66	-26.02	-25.64	-32.16	-31.00
2400	-0.21	-26.07	-25.77	25.69	-28.26	-27.55	-32.81	-31.64
2500	-0.22	-25.85	-25.58	25.61	-30.65	-29.58	-32.94	-32.01
2600	-0.24	-25.71	-25.40	26.15	-33.16	-31.55	-32.41	-31.14
2700	-0.23	-25.54	-25.33	26.53	-36.68	-33.45	-31.32	-29.90
2800	-0.25	-25.53	-25.35	28.57	-44.64	-33.77	-30.51	-28.68
2900	-0.25	-25.61	-25.41	31.44	-47.27	-33.76	-29.79	-28.08
3000	-0.25	-25.76	-25.63	31.79	-44.66	-31.63	-29.36	-27.35
3100	-0.26	-26.11	-25.98	31.10	-38.47	-29.47	-29.28	-27.11
3200	-0.26	-26.48	-26.52	26.50	-35.44	-30.00	-29.65	-27.40
3300	-0.27	-27.10	-27.00	30.19	-32.85	-30.29	-30.85	-28.22

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