Stripline Surface Mount

Bi-Directional Coupler

BDCH-20-63A+

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
1000	-0.06	-23.63	-23.63	31.94	-38.41	-36.34	-45.86	-50.07
1200	-0.07	-22.32	-22.32	33.30	-35.60	-36.02	-48.03	-45.94
1400	-0.07	-21.28	-21.30	33.08	-32.86	-34.64	-39.42	-40.98
1600	-0.08	-20.49	-20.52	31.82	-32.39	-37.79	-35.32	-37.11
1800	-0.10	-19.86	-19.90	31.32	-31.47	-38.27	-34.10	-36.77
2000	-0.09	-19.36	-19.36	31.62	-29.32	-32.71	-30.91	-34.88
2200	-0.08	-19.05	-19.08	29.03	-30.53	-31.55	-29.56	-33.61
2400	-0.08	-18.78	-18.79	31.96	-33.25	-33.43	-28.58	-30.67
2600	-0.10	-18.76	-18.69	28.26	-36.44	-47.51	-27.24	-28.45
2800	-0.10	-18.60	-18.58	26.90	-28.97	-29.18	-26.24	-27.14
3000	-0.09	-18.54	-18.51	27.65	-26.78	-25.47	-25.49	-25.24
3100	-0.09	-18.61	-18.57	28.59	-27.10	-25.55	-25.43	-24.61
3200	-0.09	-18.58	-18.60	27.98	-27.84	-26.91	-25.49	-24.25
3300	-0.11	-18.60	-18.59	30.01	-29.57	-29.31	-25.83	-24.34
3400	-0.12	-18.59	-18.50	30.55	-33.27	-32.19	-26.55	-25.29
3500	-0.13	-18.63	-18.65	35.35	-35.82	-32.72	-27.46	-26.44
3600	-0.13	-18.57	-18.68	34.76	-34.11	-31.27	-28.71	-27.74
3700	-0.16	-18.76	-18.71	40.21	-29.79	-28.05	-30.14	-29.38
3800	-0.15	-18.62	-18.73	29.41	-28.38	-26.19	-32.90	-31.10
3900	-0.14	-18.65	-18.77	27.62	-27.38	-25.39	-34.84	-32.10
4000	-0.14	-18.63	-18.74	26.32	-28.43	-25.76	-33.30	-31.93
4100	-0.14	-18.55	-18.74	27.19	-29.71	-27.71	-29.54	-28.60
4200	-0.14	-18.53	-18.80	29.30	-28.84	-29.49	-26.26	-25.07
4300	-0.15	-18.58	-18.79	34.55	-25.69	-27.48	-23.44	-22.89
4400	-0.15	-18.51	-18.81	35.46	-23.21	-23.93	-21.83	-21.70
4500	-0.16	-18.37	-18.71	34.12	-22.24	-21.98	-21.30	-21.53
4600	-0.17	-18.43	-18.72	32.74	-22.37	-21.12	-20.77	-21.03
4700	-0.17	-18.42	-18.68	28.02	-22.82	-21.42	-19.85	-20.05
4800	-0.18	-18.44	-18.68	29.71	-22.95	-22.24	-19.29	-19.10
4900	-0.19	-18.39	-18.65	28.72	-22.59	-22.98	-19.16	-18.61
5000	-0.20	-18.24	-18.72	31.10	-21.48	-23.99	-19.10	-18.46
5200	-0.24	-18.34	-18.65	28.33	-20.70	-23.27	-19.11	-19.28
5400	-0.21	-18.20	-18.61	24.94	-23.29	-22.69	-19.91	-20.37
5600	-0.17	-18.29	-18.56	23.41	-24.90	-24.21	-21.98	-21.75
5800	-0.17	-18.29	-18.39	25.41	-23.91	-25.18	-29.84	-29.16
6000	-0.21	-18.60	-18.47	26.49	-23.18	-24.40	-30.41	-32.07
6200	-0.22	-18.69	-18.79	21.84	-25.65	-25.53	-31.93	-33.36
6400	-0.23	-18.96	-18.86	21.78	-31.03	-34.46	-24.24	-24.19
6600	-0.29	-19.16	-19.12	19.72	-24.64	-24.07	-19.46	-18.84
6800	-0.32	-19.74	-19.72	17.30	-19.96	-20.50	-17.75	-17.78
7000	-0.39	-20.15	-19.76	13.37	-17.14	-17.17	-15.95	-15.87

Bi-Directional Coupler

BDCH-20-63A+

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
1000	-0.07	-23.63	-23.63	29.47	-36.34	-38.41	-50.07	-45.86
1200	-0.07	-22.32	-22.32	29.81	-36.02	-35.60	-45.94	-48.03
1400	-0.08	-21.30	-21.28	29.01	-34.64	-32.86	-40.98	-39.42
1600	-0.09	-20.52	-20.49	28.31	-37.79	-32.39	-37.11	-35.32
1800	-0.11	-19.90	-19.86	27.78	-38.27	-31.47	-36.77	-34.10
2000	-0.09	-19.36	-19.36	27.10	-32.71	-29.32	-34.88	-30.91
2200	-0.09	-19.08	-19.05	26.87	-31.55	-30.53	-33.61	-29.56
2400	-0.09	-18.79	-18.78	27.45	-33.43	-33.25	-30.67	-28.58
2600	-0.10	-18.69	-18.76	31.33	-47.51	-36.44	-28.45	-27.24
2800	-0.11	-18.58	-18.60	25.74	-29.18	-28.97	-27.14	-26.24
3000	-0.10	-18.51	-18.54	25.08	-25.47	-26.78	-25.24	-25.49
3100	-0.09	-18.57	-18.61	27.69	-25.55	-27.10	-24.61	-25.43
3200	-0.10	-18.60	-18.58	27.62	-26.91	-27.84	-24.25	-25.49
3300	-0.11	-18.59	-18.60	29.09	-29.31	-29.57	-24.34	-25.83
3400	-0.13	-18.50	-18.59	28.76	-32.19	-33.27	-25.29	-26.55
3500	-0.13	-18.65	-18.63	32.28	-32.72	-35.82	-26.44	-27.46
3600	-0.14	-18.68	-18.57	32.79	-31.27	-34.11	-27.74	-28.71
3700	-0.16	-18.71	-18.76	31.67	-28.05	-29.79	-29.38	-30.14
3800	-0.15	-18.73	-18.62	31.19	-26.19	-28.38	-31.10	-32.90
3900	-0.15	-18.77	-18.65	28.11	-25.39	-27.38	-32.10	-34.84
4000	-0.15	-18.74	-18.63	27.04	-25.76	-28.43	-31.93	-33.30
4100	-0.15	-18.74	-18.55	28.22	-27.71	-29.71	-28.60	-29.54
4200	-0.15	-18.80	-18.53	30.33	-29.49	-28.84	-25.07	-26.26
4300	-0.16	-18.79	-18.58	34.10	-27.48	-25.69	-22.89	-23.44
4400	-0.16	-18.81	-18.51	33.96	-23.93	-23.21	-21.70	-21.83
4500	-0.17	-18.71	-18.37	29.32	-21.98	-22.24	-21.53	-21.30
4600	-0.17	-18.72	-18.43	31.31	-21.12	-22.37	-21.03	-20.77
4700	-0.18	-18.68	-18.42	28.42	-21.42	-22.82	-20.05	-19.85
4800	-0.18	-18.68	-18.44	29.88	-22.24	-22.95	-19.10	-19.29
4900	-0.20	-18.65	-18.39	29.50	-22.98	-22.59	-18.61	-19.16
5000	-0.22	-18.72	-18.24	28.20	-23.99	-21.48	-18.46	-19.10
5200	-0.27	-18.65	-18.34	25.75	-23.27	-20.70	-19.28	-19.11
5400	-0.25	-18.61	-18.20	24.70	-22.69	-23.29	-20.37	-19.91
5600	-0.21	-18.56	-18.29	22.56	-24.21	-24.90	-21.75	-21.98
5800	-0.19	-18.39	-18.29	23.83	-25.18	-23.91	-29.16	-29.84
6000	-0.22	-18.47	-18.60	24.75	-24.40	-23.18	-32.07	-30.41
6200	-0.24	-18.79	-18.69	22.13	-25.53	-25.65	-33.36	-31.93
6400	-0.25	-18.86	-18.96	21.10	-34.46	-31.03	-24.19	-24.24
6600	-0.30	-19.12	-19.16	16.74	-24.07	-24.64	-18.84	-19.46
6800	-0.34	-19.72	-19.74	18.15	-20.50	-19.96	-17.78	-17.75
7000	-0.41	-19.76	-20.15	16.64	-17.17	-17.14	-15.87	-15.95

Stripline Surface Mount

Bi-Directional Coupler

BDCH-20-63A+

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
1000	-0.06	-23.62	-23.63	32.10	-50.07	-45.86	-36.34	-38.41
1200	-0.07	-22.31	-22.32	33.06	-45.94	-48.03	-36.02	-35.60
1400	-0.08	-21.29	-21.28	32.76	-40.98	-39.42	-34.64	-32.86
1600	-0.08	-20.51	-20.49	31.71	-37.11	-35.32	-37.79	-32.39
1800	-0.09	-19.90	-19.86	31.20	-36.77	-34.10	-38.27	-31.47
2000	-0.09	-19.35	-19.36	31.70	-34.88	-30.91	-32.71	-29.32
2200	-0.10	-19.07	-19.06	29.07	-33.61	-29.56	-31.55	-30.53
2400	-0.10	-18.79	-18.78	32.00	-30.67	-28.58	-33.43	-33.25
2600	-0.12	-18.68	-18.76	28.25	-28.45	-27.24	-47.51	-36.44
2800	-0.12	-18.57	-18.60	26.91	-27.14	-26.24	-29.18	-28.97
3000	-0.12	-18.50	-18.55	27.58	-25.24	-25.49	-25.47	-26.78
3100	-0.12	-18.56	-18.61	28.52	-24.61	-25.43	-25.55	-27.10
3200	-0.12	-18.59	-18.58	27.57	-24.25	-25.49	-26.91	-27.84
3300	-0.13	-18.59	-18.60	29.16	-24.34	-25.83	-29.31	-29.57
3400	-0.13	-18.49	-18.59	29.83	-25.29	-26.55	-32.19	-33.27
3500	-0.12	-18.64	-18.63	34.23	-26.44	-27.46	-32.72	-35.82
3600	-0.12	-18.67	-18.58	33.22	-27.74	-28.71	-31.27	-34.11
3700	-0.13	-18.70	-18.77	37.48	-29.38	-30.14	-28.05	-29.79
3800	-0.11	-18.72	-18.62	28.94	-31.10	-32.90	-26.19	-28.38
3900	-0.12	-18.76	-18.65	27.50	-32.10	-34.84	-25.39	-27.38
4000	-0.11	-18.73	-18.63	26.71	-31.93	-33.30	-25.76	-28.43
4100	-0.12	-18.72	-18.55	27.44	-28.60	-29.54	-27.71	-29.71
4200	-0.14	-18.79	-18.53	29.21	-25.07	-26.26	-29.49	-28.84
4300	-0.14	-18.78	-18.58	33.25	-22.89	-23.44	-27.48	-25.69
4400	-0.15	-18.80	-18.51	33.81	-21.70	-21.83	-23.93	-23.21
4500	-0.15	-18.71	-18.36	32.12	-21.53	-21.30	-21.98	-22.24
4600	-0.16	-18.72	-18.42	30.85	-21.03	-20.77	-21.12	-22.37
4700	-0.16	-18.68	-18.42	26.90	-20.05	-19.85	-21.42	-22.82
4800	-0.18	-18.67	-18.44	28.93	-19.10	-19.29	-22.24	-22.95
4900	-0.20	-18.65	-18.39	28.66	-18.61	-19.16	-22.98	-22.59
5000	-0.21	-18.72	-18.24	31.85	-18.46	-19.10	-23.99	-21.48
5200	-0.21	-18.64	-18.35	28.27	-19.28	-19.11	-23.27	-20.70
5400	-0.22	-18.61	-18.20	23.97	-20.37	-19.91	-22.69	-23.29
5600	-0.20	-18.54	-18.30	22.62	-21.75	-21.98	-24.21	-24.90
5800	-0.17	-18.38	-18.32	25.83	-29.16	-29.84	-25.18	-23.91
6000	-0.18	-18.44	-18.62	27.99	-32.07	-30.41	-24.40	-23.18
6200	-0.19	-18.76	-18.71	22.26	-33.36	-31.93	-25.53	-25.65
6400	-0.21	-18.83	-18.98	21.89	-24.19	-24.24	-34.46	-31.03
6600	-0.29	-19.08	-19.17	19.12	-18.84	-19.46	-24.07	-24.64
6800	-0.28	-19.73	-19.75	16.96	-17.78	-17.75	-20.50	-19.96
7000	-0.36	-19.78	-20.15	13.81	-15.87	-15.95	-17.17	-17.14

Bi-Directional Coupler BDCH-20-63A+

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
1000	-0.07	-23.63	-23.62	40.08	-45.86	-50.07	-38.41	-36.34
1200	-0.07	-22.32	-22.31	36.42	-48.03	-45.94	-35.60	-36.02
1400	-0.07	-21.28	-21.29	34.64	-39.42	-40.98	-32.86	-34.64
1600	-0.08	-20.49	-20.51	31.80	-35.32	-37.11	-32.39	-37.79
1800	-0.08	-19.86	-19.90	30.00	-34.10	-36.77	-31.47	-38.27
2000	-0.09	-19.36	-19.35	30.99	-30.91	-34.88	-29.32	-32.71
2200	-0.09	-19.06	-19.07	27.41	-29.56	-33.61	-30.53	-31.55
2400	-0.10	-18.78	-18.79	27.64	-28.58	-30.67	-33.25	-33.43
2600	-0.11	-18.76	-18.68	26.46	-27.24	-28.45	-36.44	-47.51
2800	-0.11	-18.60	-18.57	26.17	-26.24	-27.14	-28.97	-29.18
3000	-0.12	-18.55	-18.50	26.26	-25.49	-25.24	-26.78	-25.47
3100	-0.12	-18.61	-18.56	26.17	-25.43	-24.61	-27.10	-25.55
3200	-0.12	-18.58	-18.59	25.87	-25.49	-24.25	-27.84	-26.91
3300	-0.12	-18.60	-18.59	26.68	-25.83	-24.34	-29.57	-29.31
3400	-0.12	-18.59	-18.49	27.57	-26.55	-25.29	-33.27	-32.19
3500	-0.12	-18.63	-18.64	26.75	-27.46	-26.44	-35.82	-32.72
3600	-0.12	-18.58	-18.67	27.32	-28.71	-27.74	-34.11	-31.27
3700	-0.13	-18.77	-18.70	29.34	-30.14	-29.38	-29.79	-28.05
3800	-0.11	-18.62	-18.72	29.47	-32.90	-31.10	-28.38	-26.19
3900	-0.11	-18.65	-18.76	32.31	-34.84	-32.10	-27.38	-25.39
4000	-0.11	-18.63	-18.73	32.36	-33.30	-31.93	-28.43	-25.76
4100	-0.12	-18.55	-18.72	34.81	-29.54	-28.60	-29.71	-27.71
4200	-0.14	-18.53	-18.79	40.26	-26.26	-25.07	-28.84	-29.49
4300	-0.14	-18.58	-18.78	51.79	-23.44	-22.89	-25.69	-27.48
4400	-0.15	-18.51	-18.80	41.28	-21.83	-21.70	-23.21	-23.93
4500	-0.15	-18.36	-18.71	50.40	-21.30	-21.53	-22.24	-21.98
4600	-0.16	-18.42	-18.72	38.51	-20.77	-21.03	-22.37	-21.12
4700	-0.16	-18.42	-18.68	37.93	-19.85	-20.05	-22.82	-21.42
4800	-0.17	-18.44	-18.67	31.44	-19.29	-19.10	-22.95	-22.24
4900	-0.20	-18.39	-18.65	30.17	-19.16	-18.61	-22.59	-22.98
5000	-0.19	-18.24	-18.72	33.04	-19.10	-18.46	-21.48	-23.99
5200	-0.20	-18.35	-18.64	25.85	-19.11	-19.28	-20.70	-23.27
5400	-0.21	-18.20	-18.61	26.44	-19.91	-20.37	-23.29	-22.69
5600	-0.19	-18.30	-18.54	23.65	-21.98	-21.75	-24.90	-24.21
5800	-0.16	-18.32	-18.38	21.57	-29.84	-29.16	-23.91	-25.18
6000	-0.18	-18.62	-18.44	19.53	-30.41	-32.07	-23.18	-24.40
6200	-0.18	-18.71	-18.76	18.07	-31.93	-33.36	-25.65	-25.53
6400	-0.20	-18.98	-18.83	17.65	-24.24	-24.19	-31.03	-34.46
6600	-0.28	-19.17	-19.08	18.12	-19.46	-18.84	-24.64	-24.07
6800	-0.27	-19.75	-19.73	15.98	-17.75	-17.78	-19.96	-20.50
7000	-0.36	-20.15	-19.78	13.29	-15.95	-15.87	-17.14	-17.17

Bi-Directional Coupler BDCH-20-63A+

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
1000	-0.05	-23.56	-23.55	43.20	-40.06	-37.99	-66.84	-47.05
1200	-0.06	-22.25	-22.24	41.41	-37.53	-37.99	-45.75	-43.76
1400	-0.07	-21.22	-21.23	37.60	-34.19	-36.95	-39.75	-40.49
1600	-0.07	-20.42	-20.43	36.55	-32.84	-36.98	-36.38	-37.92
1800	-0.08	-19.80	-19.82	35.55	-31.93	-37.26	-33.65	-35.98
2000	-0.07	-19.32	-19.34	34.06	-31.55	-35.99	-31.53	-34.52
2200	-0.07	-18.98	-19.00	32.29	-32.86	-37.98	-30.00	-33.38
2400	-0.09	-18.73	-18.75	32.10	-32.79	-36.29	-29.01	-31.70
2600	-0.10	-18.61	-18.63	31.72	-33.38	-35.16	-28.21	-29.84
2800	-0.11	-18.53	-18.55	32.77	-33.75	-34.47	-27.70	-28.61
3000	-0.11	-18.47	-18.52	31.37	-31.92	-31.88	-27.88	-27.69
3100	-0.11	-18.53	-18.48	34.26	-32.96	-31.40	-27.81	-27.40
3200	-0.10	-18.52	-18.52	33.43	-33.72	-31.26	-28.08	-27.17
3300	-0.11	-18.53	-18.55	34.04	-33.30	-31.71	-28.51	-27.20
3400	-0.11	-18.53	-18.57	34.44	-32.93	-32.03	-28.99	-27.67
3500	-0.12	-18.57	-18.60	35.29	-32.75	-31.84	-29.56	-28.04
3600	-0.12	-18.56	-18.65	33.53	-33.10	-31.94	-30.30	-28.66
3700	-0.13	-18.58	-18.64	34.23	-32.63	-31.42	-31.00	-29.42
3800	-0.12	-18.56	-18.69	32.75	-32.03	-30.99	-32.09	-30.15
3900	-0.12	-18.59	-18.71	32.49	-31.24	-30.20	-33.36	-31.76
4000	-0.13	-18.58	-18.70	32.63	-30.90	-29.11	-34.44	-33.57
4100	-0.13	-18.57	-18.72	33.51	-30.44	-29.39	-34.51	-34.16
4200	-0.14	-18.51	-18.73	33.46	-30.84	-30.55	-33.22	-33.61
4300	-0.14	-18.50	-18.72	36.66	-31.14	-31.06	-31.26	-31.59
4400	-0.14	-18.47	-18.77	36.24	-30.00	-29.60	-29.20	-29.29
4500	-0.14	-18.43	-18.72	33.93	-28.00	-27.57	-27.80	-27.41
4600	-0.14	-18.38	-18.69	32.29	-26.80	-26.07	-26.46	-25.71
4700	-0.14	-18.35	-18.65	31.91	-26.11	-25.74	-25.28	-24.53
4800	-0.14	-18.33	-18.61	31.60	-25.28	-25.46	-24.20	-23.86
4900	-0.14	-18.25	-18.61	30.75	-24.45	-24.58	-23.20	-23.23
5000	-0.14	-18.21	-18.59	31.68	-23.60	-24.73	-22.52	-22.56
5200	-0.15	-18.22	-18.51	28.93	-22.89	-24.67	-21.84	-21.99
5400	-0.16	-18.16	-18.51	28.94	-22.84	-23.37	-21.66	-22.04
5600	-0.15	-18.23	-18.46	27.95	-22.82	-22.85	-22.73	-23.10
5800	-0.15	-18.24	-18.48	25.77	-24.31	-23.70	-25.15	-25.36
6000	-0.17	-18.43	-18.50	24.89	-25.82	-26.93	-29.01	-30.37
6200	-0.19	-18.62	-18.66	24.39	-29.54	-31.56	-36.66	-45.12
6400	-0.21	-18.79	-18.89	24.37	-30.96	-30.78	-28.34	-28.97
6600	-0.23	-19.13	-19.16	20.28	-25.12	-27.98	-22.54	-22.68
6800	-0.23	-19.42	-19.44	19.87	-22.10	-22.37	-19.23	-18.98
7000	-0.27	-20.37	-20.19	16.86	-19.26	-18.90	-16.97	-16.66

Bi-Directional Coupler BDCH-20-63A+

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
1000	-0.06	-23.55	-23.56	36.05	-37.99	-40.06	-47.05	-66.84
1200	-0.06	-22.24	-22.25	34.79	-37.99	-37.53	-43.76	-45.75
1400	-0.07	-21.23	-21.22	32.82	-36.95	-34.19	-40.49	-39.75
1600	-0.08	-20.43	-20.42	32.55	-36.98	-32.84	-37.92	-36.38
1800	-0.08	-19.82	-19.80	31.34	-37.26	-31.93	-35.98	-33.65
2000	-0.08	-19.34	-19.32	29.97	-35.99	-31.55	-34.52	-31.53
2200	-0.08	-19.00	-18.98	28.84	-37.98	-32.86	-33.38	-30.00
2400	-0.09	-18.75	-18.73	29.08	-36.29	-32.79	-31.70	-29.01
2600	-0.11	-18.63	-18.61	30.02	-35.16	-33.38	-29.84	-28.21
2800	-0.12	-18.55	-18.53	30.67	-34.47	-33.75	-28.61	-27.70
3000	-0.11	-18.52	-18.47	28.09	-31.88	-31.92	-27.69	-27.88
3100	-0.11	-18.48	-18.53	30.94	-31.40	-32.96	-27.40	-27.81
3200	-0.11	-18.52	-18.52	32.58	-31.26	-33.72	-27.17	-28.08
3300	-0.11	-18.55	-18.53	32.52	-31.71	-33.30	-27.20	-28.51
3400	-0.12	-18.57	-18.53	31.16	-32.03	-32.93	-27.67	-28.99
3500	-0.12	-18.60	-18.57	32.25	-31.84	-32.75	-28.04	-29.56
3600	-0.12	-18.65	-18.56	32.98	-31.94	-33.10	-28.66	-30.30
3700	-0.13	-18.64	-18.58	34.24	-31.42	-32.63	-29.42	-31.00
3800	-0.13	-18.69	-18.56	33.54	-30.99	-32.03	-30.15	-32.09
3900	-0.13	-18.71	-18.59	32.94	-30.20	-31.24	-31.76	-33.36
4000	-0.14	-18.70	-18.58	31.86	-29.11	-30.90	-33.57	-34.44
4100	-0.14	-18.72	-18.57	32.82	-29.39	-30.44	-34.16	-34.51
4200	-0.15	-18.73	-18.51	33.23	-30.55	-30.84	-33.61	-33.22
4300	-0.15	-18.72	-18.50	36.20	-31.06	-31.14	-31.59	-31.26
4400	-0.15	-18.77	-18.47	37.14	-29.60	-30.00	-29.29	-29.20
4500	-0.15	-18.72	-18.43	34.69	-27.57	-28.00	-27.41	-27.80
4600	-0.15	-18.69	-18.38	32.59	-26.07	-26.80	-25.71	-26.46
4700	-0.15	-18.65	-18.35	31.30	-25.74	-26.11	-24.53	-25.28
4800	-0.15	-18.61	-18.33	30.75	-25.46	-25.28	-23.86	-24.20
4900	-0.15	-18.61	-18.25	30.23	-24.58	-24.45	-23.23	-23.20
5000	-0.16	-18.59	-18.21	31.23	-24.73	-23.60	-22.56	-22.52
5200	-0.17	-18.51	-18.22	27.74	-24.67	-22.89	-21.99	-21.84
5400	-0.19	-18.51	-18.16	27.52	-23.37	-22.84	-22.04	-21.66
5600	-0.18	-18.46	-18.23	26.21	-22.85	-22.82	-23.10	-22.73
5800	-0.18	-18.48	-18.24	24.92	-23.70	-24.31	-25.36	-25.15
6000	-0.19	-18.50	-18.43	23.85	-26.93	-25.82	-30.37	-29.01
6200	-0.22	-18.66	-18.62	22.58	-31.56	-29.54	-45.12	-36.66
6400	-0.24	-18.89	-18.79	23.14	-30.78	-30.96	-28.97	-28.34
6600	-0.26	-19.16	-19.13	19.23	-27.98	-25.12	-22.68	-22.54
6800	-0.27	-19.44	-19.42	18.79	-22.37	-22.10	-18.98	-19.23
7000	-0.30	-20.19	-20.37	17.79	-18.90	-19.26	-16.66	-16.97

Stripline Surface Mount

Bi-Directional Coupler

BDCH-20-63A+

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
1000	-0.04	-23.55	-23.56	43.88	-47.05	-66.84	-37.99	-40.06
1200	-0.05	-22.24	-22.25	41.01	-43.76	-45.75	-37.99	-37.53
1400	-0.05	-21.22	-21.22	37.33	-40.49	-39.75	-36.95	-34.19
1600	-0.06	-20.43	-20.43	36.43	-37.92	-36.38	-36.98	-32.84
1800	-0.07	-19.81	-19.81	35.39	-35.98	-33.65	-37.26	-31.93
2000	-0.07	-19.33	-19.33	34.20	-34.52	-31.53	-35.99	-31.55
2200	-0.07	-18.99	-18.99	32.40	-33.38	-30.00	-37.98	-32.86
2400	-0.08	-18.74	-18.74	32.16	-31.70	-29.01	-36.29	-32.79
2600	-0.09	-18.62	-18.62	31.43	-29.84	-28.21	-35.16	-33.38
2800	-0.09	-18.55	-18.54	32.73	-28.61	-27.70	-34.47	-33.75
3000	-0.09	-18.51	-18.48	31.15	-27.69	-27.88	-31.88	-31.92
3100	-0.10	-18.48	-18.53	33.87	-27.40	-27.81	-31.40	-32.96
3200	-0.10	-18.52	-18.53	32.64	-27.17	-28.08	-31.26	-33.72
3300	-0.10	-18.55	-18.53	32.82	-27.20	-28.51	-31.71	-33.30
3400	-0.10	-18.57	-18.54	32.98	-27.67	-28.99	-32.03	-32.93
3500	-0.11	-18.60	-18.58	33.91	-28.04	-29.56	-31.84	-32.75
3600	-0.11	-18.64	-18.57	32.50	-28.66	-30.30	-31.94	-33.10
3700	-0.12	-18.64	-18.59	33.88	-29.42	-31.00	-31.42	-32.63
3800	-0.12	-18.69	-18.57	33.13	-30.15	-32.09	-30.99	-32.03
3900	-0.12	-18.70	-18.60	33.22	-31.76	-33.36	-30.20	-31.24
4000	-0.12	-18.69	-18.59	33.83	-33.57	-34.44	-29.11	-30.90
4100	-0.13	-18.71	-18.58	34.32	-34.16	-34.51	-29.39	-30.44
4200	-0.14	-18.72	-18.52	33.22	-33.61	-33.22	-30.55	-30.84
4300	-0.14	-18.71	-18.50	35.30	-31.59	-31.26	-31.06	-31.14
4400	-0.15	-18.76	-18.46	34.21	-29.29	-29.20	-29.60	-30.00
4500	-0.15	-18.72	-18.42	31.94	-27.41	-27.80	-27.57	-28.00
4600	-0.15	-18.69	-18.38	30.55	-25.71	-26.46	-26.07	-26.80
4700	-0.16	-18.65	-18.35	30.68	-24.53	-25.28	-25.74	-26.11
4800	-0.17	-18.60	-18.33	31.47	-23.86	-24.20	-25.46	-25.28
4900	-0.17	-18.61	-18.26	31.39	-23.23	-23.20	-24.58	-24.45
5000	-0.18	-18.59	-18.22	32.93	-22.56	-22.52	-24.73	-23.60
5200	-0.18	-18.52	-18.23	29.06	-21.99	-21.84	-24.67	-22.89
5400	-0.20	-18.50	-18.17	27.86	-22.04	-21.66	-23.37	-22.84
5600	-0.19	-18.45	-18.25	27.37	-23.10	-22.73	-22.85	-22.82
5800	-0.19	-18.45	-18.25	26.39	-25.36	-25.15	-23.70	-24.31
6000	-0.17	-18.47	-18.46	25.79	-30.37	-29.01	-26.93	-25.82
6200	-0.18	-18.63	-18.66	24.55	-45.12	-36.66	-31.56	-29.54
6400	-0.20	-18.86	-18.81	23.63	-28.97	-28.34	-30.78	-30.96
6600	-0.24	-19.15	-19.15	19.70	-22.68	-22.54	-27.98	-25.12
6800	-0.28	-19.47	-19.45	19.87	-18.98	-19.23	-22.37	-22.10
7000	-0.35	-20.19	-20.40	17.24	-16.66	-16.97	-18.90	-19.26

Stripline Surface Mount

Bi-Directional Coupler

BDCH-20-63A+

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
1000	-0.04	-23.56	-23.55	42.79	-66.84	-47.05	-40.06	-37.99
1200	-0.05	-22.25	-22.24	38.87	-45.75	-43.76	-37.53	-37.99
1400	-0.06	-21.22	-21.22	36.10	-39.75	-40.49	-34.19	-36.95
1600	-0.06	-20.43	-20.43	34.68	-36.38	-37.92	-32.84	-36.98
1800	-0.07	-19.81	-19.81	33.12	-33.65	-35.98	-31.93	-37.26
2000	-0.07	-19.33	-19.33	31.91	-31.53	-34.52	-31.55	-35.99
2200	-0.08	-18.99	-18.99	29.78	-30.00	-33.38	-32.86	-37.98
2400	-0.08	-18.74	-18.74	29.43	-29.01	-31.70	-32.79	-36.29
2600	-0.09	-18.62	-18.62	28.28	-28.21	-29.84	-33.38	-35.16
2800	-0.10	-18.54	-18.55	28.76	-27.70	-28.61	-33.75	-34.47
3000	-0.09	-18.48	-18.51	29.08	-27.88	-27.69	-31.92	-31.88
3100	-0.10	-18.53	-18.48	30.60	-27.81	-27.40	-32.96	-31.40
3200	-0.10	-18.53	-18.52	30.09	-28.08	-27.17	-33.72	-31.26
3300	-0.10	-18.53	-18.55	29.91	-28.51	-27.20	-33.30	-31.71
3400	-0.10	-18.54	-18.57	30.30	-28.99	-27.67	-32.93	-32.03
3500	-0.11	-18.58	-18.60	31.08	-29.56	-28.04	-32.75	-31.84
3600	-0.11	-18.57	-18.64	30.64	-30.30	-28.66	-33.10	-31.94
3700	-0.12	-18.59	-18.64	31.58	-31.00	-29.42	-32.63	-31.42
3800	-0.12	-18.57	-18.69	31.79	-32.09	-30.15	-32.03	-30.99
3900	-0.12	-18.60	-18.70	32.68	-33.36	-31.76	-31.24	-30.20
4000	-0.13	-18.59	-18.69	33.72	-34.44	-33.57	-30.90	-29.11
4100	-0.13	-18.58	-18.71	35.04	-34.51	-34.16	-30.44	-29.39
4200	-0.14	-18.52	-18.72	34.33	-33.22	-33.61	-30.84	-30.55
4300	-0.14	-18.50	-18.71	37.10	-31.26	-31.59	-31.14	-31.06
4400	-0.15	-18.46	-18.76	35.59	-29.20	-29.29	-30.00	-29.60
4500	-0.15	-18.42	-18.72	35.72	-27.80	-27.41	-28.00	-27.57
4600	-0.15	-18.38	-18.69	36.29	-26.46	-25.71	-26.80	-26.07
4700	-0.15	-18.35	-18.65	35.68	-25.28	-24.53	-26.11	-25.74
4800	-0.16	-18.33	-18.60	34.40	-24.20	-23.86	-25.28	-25.46
4900	-0.16	-18.26	-18.61	32.44	-23.20	-23.23	-24.45	-24.58
5000	-0.16	-18.22	-18.59	31.79	-22.52	-22.56	-23.60	-24.73
5200	-0.17	-18.23	-18.52	28.54	-21.84	-21.99	-22.89	-24.67
5400	-0.19	-18.17	-18.50	28.38	-21.66	-22.04	-22.84	-23.37
5600	-0.18	-18.25	-18.45	27.31	-22.73	-23.10	-22.82	-22.85
5800	-0.18	-18.25	-18.45	25.95	-25.15	-25.36	-24.31	-23.70
6000	-0.17	-18.46	-18.47	23.70	-29.01	-30.37	-25.82	-26.93
6200	-0.18	-18.66	-18.63	22.88	-36.66	-45.12	-29.54	-31.56
6400	-0.20	-18.81	-18.86	22.14	-28.34	-28.97	-30.96	-30.78
6600	-0.24	-19.15	-19.15	20.65	-22.54	-22.68	-25.12	-27.98
6800	-0.28	-19.45	-19.47	19.76	-19.23	-18.98	-22.10	-22.37
7000	-0.36	-20.40	-20.19	16.36	-16.97	-16.66	-19.26	-18.90

Bi-Directional Coupler BDCH-20-63A+

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
1000	-0.05	-23.49	-23.50	38.34	-41.62	-38.22	-57.65	-48.59
1200	-0.05	-22.18	-22.19	37.41	-36.50	-35.89	-48.15	-45.59
1400	-0.06	-21.15	-21.18	38.88	-34.53	-34.75	-41.85	-43.23
1600	-0.07	-20.37	-20.39	40.48	-34.11	-35.39	-37.38	-39.71
1800	-0.07	-19.74	-19.76	41.66	-33.96	-36.44	-33.51	-35.46
2000	-0.08	-19.25	-19.27	39.77	-33.40	-35.57	-30.70	-32.21
2200	-0.08	-18.95	-18.99	44.59	-32.09	-35.01	-28.94	-30.45
2400	-0.11	-18.67	-18.74	39.39	-29.82	-33.29	-27.89	-29.13
2600	-0.13	-18.64	-18.50	30.75	-28.86	-30.33	-27.12	-28.45
2800	-0.11	-18.48	-18.52	32.71	-27.78	-28.24	-27.27	-27.61
3000	-0.09	-18.42	-18.46	34.22	-28.84	-28.92	-27.30	-27.63
3100	-0.09	-18.50	-18.49	30.58	-29.77	-30.86	-27.38	-27.90
3200	-0.09	-18.48	-18.54	29.65	-30.36	-31.81	-28.05	-28.03
3300	-0.11	-18.50	-18.54	30.62	-31.19	-34.07	-29.08	-28.29
3400	-0.12	-18.44	-18.51	32.04	-32.47	-36.66	-29.78	-28.99
3500	-0.13	-18.51	-18.63	31.38	-32.09	-34.61	-29.71	-29.64
3600	-0.14	-18.44	-18.63	30.55	-31.06	-33.06	-29.71	-30.43
3700	-0.17	-18.55	-18.54	35.59	-30.20	-31.64	-29.84	-31.74
3800	-0.15	-18.55	-18.67	32.68	-29.43	-30.72	-30.72	-32.34
3900	-0.15	-18.54	-18.74	32.49	-29.32	-29.37	-32.21	-32.37
4000	-0.15	-18.54	-18.74	31.05	-28.66	-28.46	-34.64	-33.13
4100	-0.15	-18.46	-18.70	31.23	-28.63	-28.88	-37.13	-34.39
4200	-0.15	-18.46	-18.73	33.64	-29.34	-29.51	-39.31	-35.96
4300	-0.16	-18.46	-18.78	32.92	-31.17	-30.55	-41.47	-38.08
4400	-0.15	-18.39	-18.76	35.12	-35.57	-36.89	-40.23	-39.63
4500	-0.15	-18.27	-18.71	41.64	-43.11	-43.75	-38.86	-38.59
4600	-0.15	-18.36	-18.67	37.84	-38.39	-32.65	-35.62	-34.39
4700	-0.16	-18.31	-18.65	43.29	-33.09	-28.82	-32.89	-33.19
4800	-0.15	-18.31	-18.60	45.06	-30.00	-26.29	-30.12	-30.88
4900	-0.17	-18.27	-18.57	38.30	-28.33	-24.55	-28.96	-29.28
5000	-0.17	-18.13	-18.65	39.14	-26.61	-25.51	-28.11	-28.08
5200	-0.21	-18.22	-18.60	39.73	-23.12	-24.67	-27.29	-27.12
5400	-0.25	-18.14	-18.55	32.65	-22.58	-21.57	-24.38	-25.20
5600	-0.27	-18.21	-18.55	29.20	-22.40	-20.90	-22.52	-23.43
5800	-0.27	-18.36	-18.54	26.85	-23.66	-23.27	-22.93	-23.90
6000	-0.25	-18.55	-18.51	24.27	-29.08	-34.00	-26.48	-27.06
6200	-0.25	-18.63	-18.76	22.14	-29.56	-28.98	-32.78	-31.64
6400	-0.27	-19.00	-18.90	21.89	-29.67	-27.07	-35.63	-34.56
6600	-0.31	-19.17	-19.23	18.94	-24.98	-23.74	-25.54	-25.18
6800	-0.30	-19.60	-19.55	18.42	-21.59	-21.34	-20.30	-20.82
7000	-0.35	-20.41	-20.17	16.36	-19.98	-19.57	-17.90	-18.18

Bi-Directional Coupler BDCH-20-63A+

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
1000	-0.05	-23.50	-23.49	32.70	-38.22	-41.62	-48.59	-57.65
1200	-0.06	-22.19	-22.18	31.64	-35.89	-36.50	-45.59	-48.15
1400	-0.07	-21.18	-21.15	32.22	-34.75	-34.53	-43.23	-41.85
1600	-0.07	-20.39	-20.37	33.33	-35.39	-34.11	-39.71	-37.38
1800	-0.08	-19.76	-19.74	34.67	-36.44	-33.96	-35.46	-33.51
2000	-0.08	-19.27	-19.25	36.10	-35.57	-33.40	-32.21	-30.70
2200	-0.09	-18.99	-18.95	37.18	-35.01	-32.09	-30.45	-28.94
2400	-0.12	-18.74	-18.67	36.91	-33.29	-29.82	-29.13	-27.89
2600	-0.14	-18.50	-18.64	36.19	-30.33	-28.86	-28.45	-27.12
2800	-0.12	-18.52	-18.48	37.01	-28.24	-27.78	-27.61	-27.27
3000	-0.10	-18.46	-18.42	36.73	-28.92	-28.84	-27.63	-27.30
3100	-0.10	-18.49	-18.50	34.89	-30.86	-29.77	-27.90	-27.38
3200	-0.10	-18.54	-18.48	31.60	-31.81	-30.36	-28.03	-28.05
3300	-0.12	-18.54	-18.50	31.80	-34.07	-31.19	-28.29	-29.08
3400	-0.13	-18.51	-18.44	30.56	-36.66	-32.47	-28.99	-29.78
3500	-0.14	-18.63	-18.51	31.56	-34.61	-32.09	-29.64	-29.71
3600	-0.15	-18.63	-18.44	30.60	-33.06	-31.06	-30.43	-29.71
3700	-0.18	-18.54	-18.55	32.27	-31.64	-30.20	-31.74	-29.84
3800	-0.16	-18.67	-18.55	34.26	-30.72	-29.43	-32.34	-30.72
3900	-0.16	-18.74	-18.54	34.34	-29.37	-29.32	-32.37	-32.21
4000	-0.16	-18.74	-18.54	32.87	-28.46	-28.66	-33.13	-34.64
4100	-0.16	-18.70	-18.46	32.61	-28.88	-28.63	-34.39	-37.13
4200	-0.16	-18.73	-18.46	34.11	-29.51	-29.34	-35.96	-39.31
4300	-0.17	-18.78	-18.46	33.14	-30.55	-31.17	-38.08	-41.47
4400	-0.16	-18.76	-18.39	36.07	-36.89	-35.57	-39.63	-40.23
4500	-0.16	-18.71	-18.27	46.91	-43.75	-43.11	-38.59	-38.86
4600	-0.16	-18.67	-18.36	38.18	-32.65	-38.39	-34.39	-35.62
4700	-0.16	-18.65	-18.31	55.02	-28.82	-33.09	-33.19	-32.89
4800	-0.16	-18.60	-18.31	53.71	-26.29	-30.00	-30.88	-30.12
4900	-0.18	-18.57	-18.27	34.08	-24.55	-28.33	-29.28	-28.96
5000	-0.20	-18.65	-18.13	45.09	-25.51	-26.61	-28.08	-28.11
5200	-0.24	-18.60	-18.22	35.93	-24.67	-23.12	-27.12	-27.29
5400	-0.29	-18.55	-18.14	30.23	-21.57	-22.58	-25.20	-24.38
5600	-0.30	-18.55	-18.21	26.84	-20.90	-22.40	-23.43	-22.52
5800	-0.29	-18.54	-18.36	25.00	-23.27	-23.66	-23.90	-22.93
6000	-0.28	-18.51	-18.55	22.42	-34.00	-29.08	-27.06	-26.48
6200	-0.28	-18.76	-18.63	21.59	-28.98	-29.56	-31.64	-32.78
6400	-0.30	-18.90	-19.00	20.92	-27.07	-29.67	-34.56	-35.63
6600	-0.34	-19.23	-19.17	17.67	-23.74	-24.98	-25.18	-25.54
6800	-0.33	-19.55	-19.60	17.32	-21.34	-21.59	-20.82	-20.30
7000	-0.38	-20.17	-20.41	15.63	-19.57	-19.98	-18.18	-17.90

Bi-Directional Coupler

BDCH-20-63A+

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
1000	-0.02	-23.49	-23.49	38.34	-48.59	-57.65	-38.22	-41.62
1200	-0.03	-22.18	-22.19	36.90	-45.59	-48.15	-35.89	-36.50
1400	-0.03	-21.16	-21.16	38.13	-43.23	-41.85	-34.75	-34.53
1600	-0.04	-20.38	-20.37	40.36	-39.71	-37.38	-35.39	-34.11
1800	-0.05	-19.75	-19.75	42.06	-35.46	-33.51	-36.44	-33.96
2000	-0.06	-19.25	-19.25	39.38	-32.21	-30.70	-35.57	-33.40
2200	-0.06	-18.98	-18.96	45.16	-30.45	-28.94	-35.01	-32.09
2400	-0.07	-18.73	-18.68	39.87	-29.13	-27.89	-33.29	-29.82
2600	-0.09	-18.49	-18.64	31.13	-28.45	-27.12	-30.33	-28.86
2800	-0.08	-18.51	-18.48	32.69	-27.61	-27.27	-28.24	-27.78
3000	-0.08	-18.45	-18.42	34.39	-27.63	-27.30	-28.92	-28.84
3100	-0.09	-18.48	-18.50	30.84	-27.90	-27.38	-30.86	-29.77
3200	-0.09	-18.53	-18.48	29.33	-28.03	-28.05	-31.81	-30.36
3300	-0.10	-18.53	-18.50	29.90	-28.29	-29.08	-34.07	-31.19
3400	-0.09	-18.50	-18.44	30.92	-28.99	-29.78	-36.66	-32.47
3500	-0.10	-18.62	-18.51	30.43	-29.64	-29.71	-34.61	-32.09
3600	-0.10	-18.62	-18.45	30.07	-30.43	-29.71	-33.06	-31.06
3700	-0.11	-18.53	-18.56	37.96	-31.74	-29.84	-31.64	-30.20
3800	-0.10	-18.66	-18.56	33.67	-32.34	-30.72	-30.72	-29.43
3900	-0.10	-18.73	-18.55	33.54	-32.37	-32.21	-29.37	-29.32
4000	-0.10	-18.73	-18.55	31.93	-33.13	-34.64	-28.46	-28.66
4100	-0.10	-18.69	-18.46	31.26	-34.39	-37.13	-28.88	-28.63
4200	-0.11	-18.71	-18.46	32.59	-35.96	-39.31	-29.51	-29.34
4300	-0.12	-18.76	-18.46	31.96	-38.08	-41.47	-30.55	-31.17
4400	-0.11	-18.75	-18.39	34.25	-39.63	-40.23	-36.89	-35.57
4500	-0.12	-18.70	-18.27	41.41	-38.59	-38.86	-43.75	-43.11
4600	-0.12	-18.66	-18.36	41.61	-34.39	-35.62	-32.65	-38.39
4700	-0.13	-18.64	-18.30	46.55	-33.19	-32.89	-28.82	-33.09
4800	-0.13	-18.59	-18.31	60.41	-30.88	-30.12	-26.29	-30.00
4900	-0.15	-18.56	-18.27	38.85	-29.28	-28.96	-24.55	-28.33
5000	-0.17	-18.64	-18.13	42.38	-28.08	-28.11	-25.51	-26.61
5200	-0.18	-18.60	-18.22	40.00	-27.12	-27.29	-24.67	-23.12
5400	-0.21	-18.54	-18.14	31.17	-25.20	-24.38	-21.57	-22.58
5600	-0.21	-18.53	-18.22	28.41	-23.43	-22.52	-20.90	-22.40
5800	-0.22	-18.50	-18.37	27.48	-23.90	-22.93	-23.27	-23.66
6000	-0.23	-18.47	-18.58	25.11	-27.06	-26.48	-34.00	-29.08
6200	-0.23	-18.73	-18.66	22.03	-31.64	-32.78	-28.98	-29.56
6400	-0.23	-18.87	-19.03	21.44	-34.56	-35.63	-27.07	-29.67
6600	-0.30	-19.21	-19.20	18.82	-25.18	-25.54	-23.74	-24.98
6800	-0.31	-19.57	-19.63	18.86	-20.82	-20.30	-21.34	-21.59
7000	-0.36	-20.19	-20.43	16.97	-18.18	-17.90	-19.57	-19.98

Bi-Directional Coupler BDCH-20-63A+

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
1000	-0.02	-23.49	-23.49	44.24	-57.65	-48.59	-41.62	-38.22
1200	-0.03	-22.19	-22.18	44.98	-48.15	-45.59	-36.50	-35.89
1400	-0.03	-21.16	-21.16	48.02	-41.85	-43.23	-34.53	-34.75
1600	-0.04	-20.37	-20.38	46.41	-37.38	-39.71	-34.11	-35.39
1800	-0.05	-19.75	-19.75	43.96	-33.51	-35.46	-33.96	-36.44
2000	-0.05	-19.25	-19.25	39.34	-30.70	-32.21	-33.40	-35.57
2200	-0.06	-18.96	-18.98	35.19	-28.94	-30.45	-32.09	-35.01
2400	-0.06	-18.68	-18.73	34.74	-27.89	-29.13	-29.82	-33.29
2600	-0.09	-18.64	-18.49	29.97	-27.12	-28.45	-28.86	-30.33
2800	-0.08	-18.48	-18.51	32.65	-27.27	-27.61	-27.78	-28.24
3000	-0.08	-18.42	-18.45	36.26	-27.30	-27.63	-28.84	-28.92
3100	-0.09	-18.50	-18.48	31.80	-27.38	-27.90	-29.77	-30.86
3200	-0.09	-18.48	-18.53	31.64	-28.05	-28.03	-30.36	-31.81
3300	-0.09	-18.50	-18.53	32.42	-29.08	-28.29	-31.19	-34.07
3400	-0.09	-18.44	-18.50	36.83	-29.78	-28.99	-32.47	-36.66
3500	-0.09	-18.51	-18.62	32.21	-29.71	-29.64	-32.09	-34.61
3600	-0.09	-18.45	-18.62	32.42	-29.71	-30.43	-31.06	-33.06
3700	-0.11	-18.56	-18.53	49.63	-29.84	-31.74	-30.20	-31.64
3800	-0.10	-18.56	-18.66	34.94	-30.72	-32.34	-29.43	-30.72
3900	-0.10	-18.55	-18.73	34.48	-32.21	-32.37	-29.32	-29.37
4000	-0.10	-18.55	-18.73	36.03	-34.64	-33.13	-28.66	-28.46
4100	-0.10	-18.46	-18.69	36.34	-37.13	-34.39	-28.63	-28.88
4200	-0.11	-18.46	-18.71	35.06	-39.31	-35.96	-29.34	-29.51
4300	-0.12	-18.46	-18.76	38.13	-41.47	-38.08	-31.17	-30.55
4400	-0.11	-18.39	-18.75	34.65	-40.23	-39.63	-35.57	-36.89
4500	-0.12	-18.27	-18.70	35.67	-38.86	-38.59	-43.11	-43.75
4600	-0.12	-18.36	-18.66	38.21	-35.62	-34.39	-38.39	-32.65
4700	-0.12	-18.30	-18.64	32.58	-32.89	-33.19	-33.09	-28.82
4800	-0.12	-18.31	-18.59	31.70	-30.12	-30.88	-30.00	-26.29
4900	-0.14	-18.27	-18.56	31.83	-28.96	-29.28	-28.33	-24.55
5000	-0.15	-18.13	-18.64	35.61	-28.11	-28.08	-26.61	-25.51
5200	-0.17	-18.22	-18.60	32.59	-27.29	-27.12	-23.12	-24.67
5400	-0.20	-18.14	-18.54	30.51	-24.38	-25.20	-22.58	-21.57
5600	-0.20	-18.22	-18.53	29.48	-22.52	-23.43	-22.40	-20.90
5800	-0.22	-18.37	-18.50	30.06	-22.93	-23.90	-23.66	-23.27
6000	-0.23	-18.58	-18.47	25.51	-26.48	-27.06	-29.08	-34.00
6200	-0.22	-18.66	-18.73	22.36	-32.78	-31.64	-29.56	-28.98
6400	-0.23	-19.03	-18.87	23.83	-35.63	-34.56	-29.67	-27.07
6600	-0.29	-19.20	-19.21	21.68	-25.54	-25.18	-24.98	-23.74
6800	-0.30	-19.63	-19.57	19.75	-20.30	-20.82	-21.59	-21.34
7000	-0.36	-20.43	-20.19	16.50	-17.90	-18.18	-19.98	-19.57