

Bi-Directional Coupler

BDCH-20-63+

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
1000	-0.05		-26.48	-26.47	23.02	-36.45	-34.48	-33.79	-34.47
1200	-0.06		-25.04	-25.02	23.72	-39.38	-36.25	-35.01	-36.20
1400	-0.07		-23.87	-23.85	25.87	-36.12	-36.20	-39.39	-38.46
1600	-0.07		-22.88	-22.88	27.34	-33.03	-34.14	-39.41	-35.29
1800	-0.07		-22.04	-22.02	26.18	-30.89	-30.37	-33.97	-32.16
2000	-0.08		-21.32	-21.31	23.90	-29.50	-28.71	-31.65	-31.30
2200	-0.09		-20.71	-20.69	22.64	-29.10	-28.51	-30.69	-30.88
2400	-0.10		-20.25	-20.21	22.74	-28.31	-28.08	-30.55	-30.38
2600	-0.10		-19.86	-19.83	25.05	-27.02	-26.60	-30.24	-29.04
2800	-0.10		-19.53	-19.52	26.43	-26.24	-25.07	-29.19	-27.28
3000	-0.12		-19.28	-19.28	26.04	-26.23	-25.12	-28.16	-25.93
3100	-0.10		-19.21	-19.19	25.36	-26.69	-25.64	-27.45	-25.98
3200	-0.13		-19.05	-19.05	23.19	-25.50	-24.60	-26.54	-25.45
3300	-0.11		-19.03	-19.01	22.61	-25.00	-24.58	-25.98	-25.78
3400	-0.14		-18.93	-18.92	21.18	-24.21	-23.84	-25.24	-25.30
3500	-0.12		-18.84	-18.84	21.25	-23.69	-24.35	-25.20	-25.76
3600	-0.13		-18.84	-18.84	21.32	-24.00	-24.32	-25.58	-25.94
3700	-0.11		-18.81	-18.82	23.79	-24.34	-25.74	-26.62	-27.24
3800	-0.12		-18.81	-18.81	25.52	-25.55	-25.97	-27.99	-27.94
3900	-0.14		-18.99	-18.99	25.04	-26.31	-26.87	-29.92	-29.83
4000	-0.14		-18.93	-18.93	27.29	-27.47	-26.51	-30.10	-29.03
4100	-0.14		-18.87	-18.87	24.64	-26.71	-26.39	-29.54	-28.66
4200	-0.12		-19.15	-19.15	23.08	-26.99	-26.15	-29.26	-28.36
4300	-0.16		-19.14	-19.13	22.62	-25.79	-25.32	-28.28	-27.39
4400	-0.14		-19.15	-19.15	21.45	-24.76	-24.56	-27.08	-26.28
4500	-0.17		-19.34	-19.29	20.05	-23.18	-23.06	-26.29	-25.84
4600	-0.15		-19.32	-19.29	19.18	-23.25	-23.26	-26.41	-25.88
4700	-0.17		-19.50	-19.47	20.06	-23.56	-23.71	-26.35	-26.90
4800	-0.15		-19.44	-19.42	18.80	-23.85	-24.59	-26.44	-26.67
4900	-0.16		-19.62	-19.58	21.17	-25.29	-25.34	-26.70	-27.25
5000	-0.18		-19.86	-19.84	23.18	-25.61	-25.80	-27.30	-27.61
5200	-0.16		-20.32	-20.22	25.54	-25.32	-26.25	-27.75	-28.19
5400	-0.18		-20.81	-20.75	20.38	-24.51	-25.65	-25.33	-27.01
5600	-0.20		-21.33	-21.29	20.55	-22.87	-23.22	-25.21	-25.51
5800	-0.23		-21.93	-21.71	21.23	-22.99	-22.14	-24.38	-24.49
6000	-0.22		-22.42	-22.32	19.93	-24.60	-23.39	-24.71	-25.34
6200	-0.19		-22.83	-22.87	22.01	-26.04	-25.42	-23.79	-24.68
6400	-0.20		-23.59	-23.40	22.02	-22.36	-22.54	-21.97	-21.92
6600	-0.26		-24.27	-24.19	19.56	-18.48	-18.84	-19.06	-18.62
6800	-0.35		-25.38	-25.18	15.92	-15.47	-15.58	-15.48	-15.12
7000	-0.46		-26.59	-26.44	11.32	-13.18	-13.13	-13.21	-12.96

Bi-Directional Coupler

BDCH-20-63+

Typical Performance Data

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

Freq. (MHz)	I. Loss (dB) In - Out	Coupling (dB)		Directivity (dB) In - Fwd	Return Loss (dB)			
		In - Fwd	Out - Rev		In	Out	Fwd	Rev
1000	-0.04	-26.47	-26.48	22.48	-34.48	-36.45	-34.47	-33.79
1200	-0.04	-25.02	-25.04	22.69	-36.25	-39.38	-36.20	-35.01
1400	-0.05	-23.85	-23.87	24.21	-36.20	-36.12	-38.46	-39.39
1600	-0.06	-22.88	-22.88	25.88	-34.14	-33.03	-35.29	-39.41
1800	-0.06	-22.02	-22.04	24.30	-30.37	-30.89	-32.16	-33.97
2000	-0.07	-21.31	-21.32	22.68	-28.71	-29.50	-31.30	-31.65
2200	-0.07	-20.69	-20.71	21.62	-28.51	-29.10	-30.88	-30.69
2400	-0.07	-20.21	-20.25	21.99	-28.08	-28.31	-30.38	-30.55
2600	-0.07	-19.83	-19.86	24.42	-26.60	-27.02	-29.04	-30.24
2800	-0.08	-19.52	-19.53	26.80	-25.07	-26.24	-27.28	-29.19
3000	-0.09	-19.28	-19.28	25.15	-25.12	-26.23	-25.93	-28.16
3100	-0.06	-19.19	-19.21	23.61	-25.64	-26.69	-25.98	-27.45
3200	-0.11	-19.05	-19.05	21.25	-24.60	-25.50	-25.45	-26.54
3300	-0.08	-19.01	-19.03	20.61	-24.58	-25.00	-25.78	-25.98
3400	-0.11	-18.92	-18.93	19.60	-23.84	-24.21	-25.30	-25.24
3500	-0.10	-18.84	-18.84	20.09	-24.35	-23.69	-25.76	-25.20
3600	-0.11	-18.84	-18.84	20.73	-24.32	-24.00	-25.94	-25.58
3700	-0.09	-18.82	-18.81	24.26	-25.74	-24.34	-27.24	-26.62
3800	-0.09	-18.81	-18.81	26.76	-25.97	-25.55	-27.94	-27.99
3900	-0.11	-18.99	-18.99	26.63	-26.87	-26.31	-29.83	-29.92
4000	-0.11	-18.93	-18.93	28.97	-26.51	-27.47	-29.03	-30.10
4100	-0.10	-18.87	-18.87	26.69	-26.39	-26.71	-28.66	-29.54
4200	-0.09	-19.15	-19.15	23.31	-26.15	-26.99	-28.36	-29.26
4300	-0.11	-19.13	-19.14	23.36	-25.32	-25.79	-27.39	-28.28
4400	-0.11	-19.15	-19.15	22.05	-24.56	-24.76	-26.28	-27.08
4500	-0.13	-19.29	-19.34	22.35	-23.06	-23.18	-25.84	-26.29
4600	-0.13	-19.29	-19.32	20.39	-23.26	-23.25	-25.88	-26.41
4700	-0.13	-19.47	-19.50	21.14	-23.71	-23.56	-26.90	-26.35
4800	-0.13	-19.42	-19.44	19.76	-24.59	-23.85	-26.67	-26.44
4900	-0.12	-19.58	-19.62	21.48	-25.34	-25.29	-27.25	-26.70
5000	-0.15	-19.84	-19.86	24.02	-25.80	-25.61	-27.61	-27.30
5200	-0.14	-20.22	-20.32	27.69	-26.25	-25.32	-28.19	-27.75
5400	-0.16	-20.75	-20.81	22.48	-25.65	-24.51	-27.01	-25.33
5600	-0.16	-21.29	-21.33	21.91	-23.22	-22.87	-25.51	-25.21
5800	-0.18	-21.71	-21.93	20.57	-22.14	-22.99	-24.49	-24.38
6000	-0.17	-22.32	-22.42	20.46	-23.39	-24.60	-25.34	-24.71
6200	-0.15	-22.87	-22.83	18.33	-25.42	-26.04	-24.68	-23.79
6400	-0.16	-23.40	-23.59	20.47	-22.54	-22.36	-21.92	-21.97
6600	-0.23	-24.19	-24.27	19.18	-18.84	-18.48	-18.62	-19.06
6800	-0.32	-25.18	-25.38	15.64	-15.58	-15.47	-15.12	-15.48
7000	-0.42	-26.44	-26.59	11.05	-13.13	-13.18	-12.96	-13.21

Bi-Directional Coupler

BDCH-20-63+

Typical Performance Data

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

Freq. (MHz)	I. Loss (dB) In - Out	Coupling (dB)		Directivity (dB) In - Fwd	Return Loss (dB)			
		In - Fwd	Out - Rev		In	Out	Fwd	Rev
1000	-0.07	-26.49	-26.49	22.98	-34.47	-33.79	-34.48	-36.45
1200	-0.08	-25.05	-25.05	23.60	-36.20	-35.01	-36.25	-39.38
1400	-0.09	-23.87	-23.87	25.75	-38.46	-39.39	-36.20	-36.12
1600	-0.10	-22.90	-22.88	27.50	-35.29	-39.41	-34.14	-33.03
1800	-0.10	-22.04	-22.05	26.11	-32.16	-33.97	-30.37	-30.89
2000	-0.11	-21.33	-21.31	23.74	-31.30	-31.65	-28.71	-29.50
2200	-0.11	-20.71	-20.71	22.43	-30.88	-30.69	-28.51	-29.10
2400	-0.12	-20.24	-20.24	22.67	-30.38	-30.55	-28.08	-28.31
2600	-0.12	-19.86	-19.85	25.04	-29.04	-30.24	-26.60	-27.02
2800	-0.12	-19.54	-19.52	27.00	-27.28	-29.19	-25.07	-26.24
3000	-0.14	-19.29	-19.28	26.23	-25.93	-28.16	-25.12	-26.23
3100	-0.12	-19.22	-19.19	25.14	-25.98	-27.45	-25.64	-26.69
3200	-0.16	-19.07	-19.04	23.08	-25.45	-26.54	-24.60	-25.50
3300	-0.13	-19.04	-19.02	22.37	-25.78	-25.98	-24.58	-25.00
3400	-0.17	-18.93	-18.91	21.14	-25.30	-25.24	-23.84	-24.21
3500	-0.14	-18.86	-18.84	21.20	-25.76	-25.20	-24.35	-23.69
3600	-0.16	-18.85	-18.82	21.22	-25.94	-25.58	-24.32	-24.00
3700	-0.14	-18.83	-18.81	23.54	-27.24	-26.62	-25.74	-24.34
3800	-0.14	-18.82	-18.80	25.14	-27.94	-27.99	-25.97	-25.55
3900	-0.16	-19.01	-18.99	25.33	-29.83	-29.92	-26.87	-26.31
4000	-0.14	-18.95	-18.91	27.02	-29.03	-30.10	-26.51	-27.47
4100	-0.17	-18.89	-18.86	25.19	-28.66	-29.54	-26.39	-26.71
4200	-0.15	-19.17	-19.13	23.04	-28.36	-29.26	-26.15	-26.99
4300	-0.18	-19.16	-19.13	22.62	-27.39	-28.28	-25.32	-25.79
4400	-0.16	-19.16	-19.13	21.33	-26.28	-27.08	-24.56	-24.76
4500	-0.18	-19.32	-19.31	19.90	-25.84	-26.29	-23.06	-23.18
4600	-0.18	-19.28	-19.30	19.21	-25.88	-26.41	-23.26	-23.25
4700	-0.19	-19.50	-19.46	19.93	-26.90	-26.35	-23.71	-23.56
4800	-0.20	-19.42	-19.41	18.78	-26.67	-26.44	-24.59	-23.85
4900	-0.19	-19.60	-19.60	21.07	-27.25	-26.70	-25.34	-25.29
5000	-0.21	-19.84	-19.83	22.82	-27.61	-27.30	-25.80	-25.61
5200	-0.20	-20.24	-20.30	26.37	-28.19	-27.75	-26.25	-25.32
5400	-0.23	-20.77	-20.80	20.89	-27.01	-25.33	-25.65	-24.51
5600	-0.22	-21.35	-21.31	20.46	-25.51	-25.21	-23.22	-22.87
5800	-0.25	-21.77	-21.89	21.29	-24.49	-24.38	-22.14	-22.99
6000	-0.26	-22.35	-22.36	20.13	-25.34	-24.71	-23.39	-24.60
6200	-0.26	-22.89	-22.75	21.81	-24.68	-23.79	-25.42	-26.04
6400	-0.28	-23.42	-23.53	21.66	-21.92	-21.97	-22.54	-22.36
6600	-0.33	-24.21	-24.24	19.86	-18.62	-19.06	-18.84	-18.48
6800	-0.42	-25.23	-25.38	15.99	-15.12	-15.48	-15.58	-15.47
7000	-0.54	-26.49	-26.62	11.50	-12.96	-13.21	-13.13	-13.18

Bi-Directional Coupler

BDCH-20-63+

Typical Performance Data

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

Freq. (MHz)	I. Loss (dB) In - Out	Coupling (dB)		Directivity (dB) In - Fwd	Return Loss (dB)			
		In - Fwd	Out - Rev		In	Out	Fwd	Rev
1000	-0.06	-26.49	-26.49	22.46	-33.79	-34.47	-36.45	-34.48
1200	-0.07	-25.05	-25.05	22.55	-35.01	-36.20	-39.38	-36.25
1400	-0.08	-23.87	-23.87	24.02	-39.39	-38.46	-36.12	-36.20
1600	-0.09	-22.88	-22.90	25.76	-39.41	-35.29	-33.03	-34.14
1800	-0.09	-22.05	-22.04	24.54	-33.97	-32.16	-30.89	-30.37
2000	-0.10	-21.31	-21.33	22.88	-31.65	-31.30	-29.50	-28.71
2200	-0.10	-20.71	-20.71	21.65	-30.69	-30.88	-29.10	-28.51
2400	-0.11	-20.24	-20.24	21.76	-30.55	-30.38	-28.31	-28.08
2600	-0.11	-19.85	-19.86	23.99	-30.24	-29.04	-27.02	-26.60
2800	-0.12	-19.52	-19.54	26.86	-29.19	-27.28	-26.24	-25.07
3000	-0.14	-19.28	-19.29	25.84	-28.16	-25.93	-26.23	-25.12
3100	-0.11	-19.19	-19.22	24.19	-27.45	-25.98	-26.69	-25.64
3200	-0.16	-19.04	-19.07	21.86	-26.54	-25.45	-25.50	-24.60
3300	-0.12	-19.02	-19.04	21.12	-25.98	-25.78	-25.00	-24.58
3400	-0.16	-18.91	-18.93	19.88	-25.24	-25.30	-24.21	-23.84
3500	-0.13	-18.84	-18.86	20.35	-25.20	-25.76	-23.69	-24.35
3600	-0.15	-18.82	-18.85	20.67	-25.58	-25.94	-24.00	-24.32
3700	-0.13	-18.81	-18.83	23.81	-26.62	-27.24	-24.34	-25.74
3800	-0.14	-18.80	-18.82	26.08	-27.99	-27.94	-25.55	-25.97
3900	-0.15	-18.99	-19.01	26.22	-29.92	-29.83	-26.31	-26.87
4000	-0.14	-18.91	-18.95	28.97	-30.10	-29.03	-27.47	-26.51
4100	-0.17	-18.86	-18.89	27.18	-29.54	-28.66	-26.71	-26.39
4200	-0.14	-19.13	-19.17	24.19	-29.26	-28.36	-26.99	-26.15
4300	-0.17	-19.13	-19.16	24.37	-28.28	-27.39	-25.79	-25.32
4400	-0.16	-19.13	-19.16	23.06	-27.08	-26.28	-24.76	-24.56
4500	-0.16	-19.31	-19.32	23.21	-26.29	-25.84	-23.18	-23.06
4600	-0.17	-19.30	-19.28	21.02	-26.41	-25.88	-23.25	-23.26
4700	-0.16	-19.46	-19.50	21.66	-26.35	-26.90	-23.56	-23.71
4800	-0.19	-19.41	-19.42	19.94	-26.44	-26.67	-23.85	-24.59
4900	-0.16	-19.60	-19.60	21.36	-26.70	-27.25	-25.29	-25.34
5000	-0.18	-19.83	-19.84	23.40	-27.30	-27.61	-25.61	-25.80
5200	-0.18	-20.30	-20.24	26.45	-27.75	-28.19	-25.32	-26.25
5400	-0.21	-20.80	-20.77	23.09	-25.33	-27.01	-24.51	-25.65
5600	-0.21	-21.31	-21.35	23.01	-25.21	-25.51	-22.87	-23.22
5800	-0.23	-21.89	-21.77	20.95	-24.38	-24.49	-22.99	-22.14
6000	-0.23	-22.36	-22.35	20.64	-24.71	-25.34	-24.60	-23.39
6200	-0.22	-22.75	-22.89	18.32	-23.79	-24.68	-26.04	-25.42
6400	-0.23	-23.53	-23.42	19.11	-21.97	-21.92	-22.36	-22.54
6600	-0.29	-24.24	-24.21	18.53	-19.06	-18.62	-18.48	-18.84
6800	-0.40	-25.38	-25.23	15.83	-15.48	-15.12	-15.47	-15.58
7000	-0.52	-26.62	-26.49	11.37	-13.21	-12.96	-13.18	-13.13

Bi-Directional Coupler

BDCH-20-63+

Typical Performance Data

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

Freq. (MHz)	I. Loss (dB) In - Out	Coupling (dB)		Directivity (dB) In - Fwd	Return Loss (dB)			
		In - Fwd	Out - Rev		In	Out	Fwd	Rev
1000	-0.03	-26.50	-26.48	21.77	-45.40	-39.00	-41.48	-41.76
1200	-0.04	-25.06	-25.04	21.87	-50.01	-40.60	-43.53	-45.30
1400	-0.04	-23.89	-23.88	22.81	-41.70	-42.76	-51.00	-45.78
1600	-0.04	-22.90	-22.90	23.37	-34.08	-34.81	-37.70	-35.43
1800	-0.04	-22.05	-22.05	21.84	-30.06	-29.85	-31.91	-30.97
2000	-0.05	-21.37	-21.35	20.55	-27.71	-27.43	-29.26	-29.09
2200	-0.05	-20.76	-20.75	19.88	-26.56	-26.50	-28.09	-28.38
2400	-0.05	-20.31	-20.30	20.46	-25.89	-26.06	-27.92	-28.04
2600	-0.07	-19.96	-19.94	21.26	-24.63	-24.61	-26.85	-26.42
2800	-0.09	-19.65	-19.63	20.40	-22.68	-22.32	-24.48	-23.92
3000	-0.11	-19.36	-19.38	19.08	-21.00	-20.52	-22.18	-21.94
3100	-0.09	-19.32	-19.31	18.68	-20.42	-20.13	-21.41	-21.34
3200	-0.12	-19.16	-19.15	17.48	-19.98	-19.60	-20.80	-20.84
3300	-0.10	-19.21	-19.21	18.15	-19.88	-19.87	-20.71	-20.84
3400	-0.10	-19.09	-19.10	18.21	-19.89	-19.84	-20.48	-20.76
3500	-0.09	-19.10	-19.11	18.77	-19.90	-20.35	-20.92	-21.23
3600	-0.09	-18.97	-18.97	19.63	-20.43	-20.53	-20.88	-21.20
3700	-0.11	-19.10	-19.10	19.68	-20.58	-20.94	-21.48	-21.68
3800	-0.10	-18.97	-18.97	20.93	-20.85	-20.78	-21.40	-21.34
3900	-0.12	-19.24	-19.24	18.32	-20.87	-20.97	-21.57	-21.38
4000	-0.09	-19.05	-19.05	20.14	-20.62	-20.41	-21.20	-20.88
4100	-0.12	-19.13	-19.14	18.90	-20.22	-20.14	-20.81	-20.45
4200	-0.11	-19.24	-19.24	17.64	-20.27	-20.14	-20.79	-20.40
4300	-0.13	-19.30	-19.29	18.14	-20.29	-20.08	-20.46	-20.18
4400	-0.13	-19.35	-19.34	17.94	-20.60	-20.60	-20.77	-20.56
4500	-0.12	-19.54	-19.49	18.16	-21.10	-21.00	-20.92	-20.97
4600	-0.11	-19.54	-19.54	20.26	-21.89	-22.23	-21.85	-21.78
4700	-0.11	-19.64	-19.57	20.43	-23.28	-23.40	-22.93	-23.11
4800	-0.11	-19.66	-19.66	23.12	-24.63	-24.91	-24.65	-24.84
4900	-0.09	-19.77	-19.79	26.26	-27.19	-26.96	-25.85	-26.40
5000	-0.11	-20.18	-20.08	22.72	-28.32	-28.66	-28.02	-28.30
5200	-0.10	-20.47	-20.39	22.53	-27.81	-28.71	-27.72	-27.56
5400	-0.11	-20.98	-20.91	20.63	-27.02	-27.59	-26.61	-26.11
5600	-0.13	-21.31	-21.45	20.48	-25.81	-25.30	-25.42	-25.24
5800	-0.12	-21.96	-21.81	22.59	-26.37	-24.72	-25.23	-25.79
6000	-0.11	-22.60	-22.48	23.70	-27.85	-26.89	-25.96	-27.58
6200	-0.11	-23.20	-23.23	28.02	-25.89	-27.04	-25.87	-26.62
6400	-0.14	-23.96	-23.86	24.73	-21.21	-22.07	-22.03	-21.86
6600	-0.20	-24.51	-24.48	21.66	-18.17	-18.69	-18.72	-18.39
6800	-0.26	-25.45	-25.43	14.61	-16.08	-15.97	-16.09	-15.94
7000	-0.34	-26.71	-26.70	13.11	-14.66	-14.61	-14.49	-14.53

Bi-Directional Coupler

BDCH-20-63+

Typical Performance Data

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

Freq. (MHz)	I. Loss (dB) In - Out	Coupling (dB)		Directivity (dB) In - Fwd	Return Loss (dB)			
		In - Fwd	Out - Rev		In	Out	Fwd	Rev
1000	-0.02	-26.48	-26.50	21.35	-39.00	-45.40	-41.76	-41.48
1200	-0.02	-25.04	-25.06	21.29	-40.60	-50.01	-45.30	-43.53
1400	-0.03	-23.88	-23.89	22.25	-42.76	-41.70	-45.78	-51.00
1600	-0.03	-22.90	-22.90	22.92	-34.81	-34.08	-35.43	-37.70
1800	-0.04	-22.05	-22.05	21.07	-29.85	-30.06	-30.97	-31.91
2000	-0.04	-21.35	-21.37	19.79	-27.43	-27.71	-29.09	-29.26
2200	-0.04	-20.75	-20.76	18.99	-26.50	-26.56	-28.38	-28.09
2400	-0.04	-20.30	-20.31	19.87	-26.06	-25.89	-28.04	-27.92
2600	-0.06	-19.94	-19.96	20.85	-24.61	-24.63	-26.42	-26.85
2800	-0.08	-19.63	-19.65	20.21	-22.32	-22.68	-23.92	-24.48
3000	-0.09	-19.38	-19.36	18.60	-20.52	-21.00	-21.94	-22.18
3100	-0.07	-19.31	-19.32	18.12	-20.13	-20.42	-21.34	-21.41
3200	-0.10	-19.15	-19.16	16.92	-19.60	-19.98	-20.84	-20.80
3300	-0.09	-19.21	-19.21	17.48	-19.87	-19.88	-20.84	-20.71
3400	-0.09	-19.10	-19.09	17.83	-19.84	-19.89	-20.76	-20.48
3500	-0.09	-19.11	-19.10	18.95	-20.35	-19.90	-21.23	-20.92
3600	-0.08	-18.97	-18.97	19.93	-20.53	-20.43	-21.20	-20.88
3700	-0.10	-19.10	-19.10	20.00	-20.94	-20.58	-21.68	-21.48
3800	-0.09	-18.97	-18.97	21.75	-20.78	-20.85	-21.34	-21.40
3900	-0.11	-19.24	-19.24	18.91	-20.97	-20.87	-21.38	-21.57
4000	-0.08	-19.05	-19.05	20.89	-20.41	-20.62	-20.88	-21.20
4100	-0.10	-19.14	-19.13	19.09	-20.14	-20.22	-20.45	-20.81
4200	-0.10	-19.24	-19.24	18.28	-20.14	-20.27	-20.40	-20.79
4300	-0.10	-19.29	-19.30	18.20	-20.08	-20.29	-20.18	-20.46
4400	-0.11	-19.34	-19.35	18.59	-20.60	-20.60	-20.56	-20.77
4500	-0.10	-19.49	-19.54	18.66	-21.00	-21.10	-20.97	-20.92
4600	-0.10	-19.54	-19.54	21.03	-22.23	-21.89	-21.78	-21.85
4700	-0.09	-19.57	-19.64	22.12	-23.40	-23.28	-23.11	-22.93
4800	-0.11	-19.66	-19.66	25.03	-24.91	-24.63	-24.84	-24.65
4900	-0.07	-19.79	-19.77	31.17	-26.96	-27.19	-26.40	-25.85
5000	-0.10	-20.08	-20.18	25.84	-28.66	-28.32	-28.30	-28.02
5200	-0.09	-20.39	-20.47	24.79	-28.71	-27.81	-27.56	-27.72
5400	-0.10	-20.91	-20.98	21.99	-27.59	-27.02	-26.11	-26.61
5600	-0.12	-21.45	-21.31	20.81	-25.30	-25.81	-25.24	-25.42
5800	-0.10	-21.81	-21.96	21.44	-24.72	-26.37	-25.79	-25.23
6000	-0.10	-22.48	-22.60	26.60	-26.89	-27.85	-27.58	-25.96
6200	-0.11	-23.23	-23.20	28.79	-27.04	-25.89	-26.62	-25.87
6400	-0.13	-23.86	-23.96	24.10	-22.07	-21.21	-21.86	-22.03
6600	-0.21	-24.48	-24.51	17.72	-18.69	-18.17	-18.39	-18.72
6800	-0.26	-25.43	-25.45	13.55	-15.97	-16.08	-15.94	-16.09
7000	-0.32	-26.70	-26.71	13.33	-14.61	-14.66	-14.53	-14.49

Bi-Directional Coupler

BDCH-20-63+

Typical Performance Data

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

Freq. (MHz)	I. Loss (dB) In - Out	Coupling (dB)		Directivity (dB) In - Fwd	Return Loss (dB)			
		In - Fwd	Out - Rev		In	Out	Fwd	Rev
1000	-0.04	-26.50	-26.50	21.74	-41.76	-41.48	-39.00	-45.40
1200	-0.04	-25.06	-25.06	21.77	-45.30	-43.53	-40.60	-50.01
1400	-0.05	-23.89	-23.89	22.73	-45.78	-51.00	-42.76	-41.70
1600	-0.05	-22.91	-22.90	23.48	-35.43	-37.70	-34.81	-34.08
1800	-0.05	-22.06	-22.05	21.77	-30.97	-31.91	-29.85	-30.06
2000	-0.06	-21.36	-21.36	20.45	-29.09	-29.26	-27.43	-27.71
2200	-0.06	-20.76	-20.75	19.71	-28.38	-28.09	-26.50	-26.56
2400	-0.05	-20.32	-20.30	20.41	-28.04	-27.92	-26.06	-25.89
2600	-0.07	-19.96	-19.95	21.27	-26.42	-26.85	-24.61	-24.63
2800	-0.09	-19.65	-19.65	20.67	-23.92	-24.48	-22.32	-22.68
3000	-0.10	-19.39	-19.36	19.14	-21.94	-22.18	-20.52	-21.00
3100	-0.08	-19.34	-19.31	18.55	-21.34	-21.41	-20.13	-20.42
3200	-0.11	-19.16	-19.15	17.39	-20.84	-20.80	-19.60	-19.98
3300	-0.10	-19.23	-19.21	18.00	-20.84	-20.71	-19.87	-19.88
3400	-0.11	-19.10	-19.08	18.10	-20.76	-20.48	-19.84	-19.89
3500	-0.09	-19.12	-19.11	18.79	-21.23	-20.92	-20.35	-19.90
3600	-0.10	-18.98	-18.96	19.41	-21.20	-20.88	-20.53	-20.43
3700	-0.11	-19.11	-19.10	19.68	-21.68	-21.48	-20.94	-20.58
3800	-0.10	-18.97	-18.97	20.74	-21.34	-21.40	-20.78	-20.85
3900	-0.12	-19.25	-19.24	18.51	-21.38	-21.57	-20.97	-20.87
4000	-0.10	-19.06	-19.05	20.13	-20.88	-21.20	-20.41	-20.62
4100	-0.11	-19.17	-19.13	19.04	-20.45	-20.81	-20.14	-20.22
4200	-0.12	-19.24	-19.24	17.65	-20.40	-20.79	-20.14	-20.27
4300	-0.12	-19.32	-19.29	17.90	-20.18	-20.46	-20.08	-20.29
4400	-0.13	-19.35	-19.34	17.98	-20.56	-20.77	-20.60	-20.60
4500	-0.13	-19.52	-19.53	18.03	-20.97	-20.92	-21.00	-21.10
4600	-0.13	-19.53	-19.54	20.35	-21.78	-21.85	-22.23	-21.89
4700	-0.12	-19.60	-19.62	20.43	-23.11	-22.93	-23.40	-23.28
4800	-0.12	-19.66	-19.65	23.08	-24.84	-24.65	-24.91	-24.63
4900	-0.10	-19.80	-19.76	26.05	-26.40	-25.85	-26.96	-27.19
5000	-0.12	-20.09	-20.16	23.15	-28.30	-28.02	-28.66	-28.32
5200	-0.10	-20.40	-20.46	23.08	-27.56	-27.72	-28.71	-27.81
5400	-0.13	-20.93	-20.97	20.55	-26.11	-26.61	-27.59	-27.02
5600	-0.15	-21.47	-21.30	19.94	-25.24	-25.42	-25.30	-25.81
5800	-0.14	-21.82	-21.94	22.55	-25.79	-25.23	-24.72	-26.37
6000	-0.15	-22.47	-22.58	23.77	-27.58	-25.96	-26.89	-27.85
6200	-0.13	-23.22	-23.18	26.94	-26.62	-25.87	-27.04	-25.89
6400	-0.17	-23.86	-23.93	25.24	-21.86	-22.03	-22.07	-21.21
6600	-0.23	-24.50	-24.51	21.89	-18.39	-18.72	-18.69	-18.17
6800	-0.29	-25.46	-25.44	14.50	-15.94	-16.09	-15.97	-16.08
7000	-0.35	-26.76	-26.68	13.21	-14.53	-14.49	-14.61	-14.66

Bi-Directional Coupler

BDCH-20-63+

Typical Performance Data

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

Freq. (MHz)	I. Loss (dB) In - Out	Coupling (dB)		Directivity (dB) In - Fwd	Return Loss (dB)			
		In - Fwd	Out - Rev		In	Out	Fwd	Rev
1000	-0.03	-26.50	-26.50	21.33	-41.48	-41.76	-45.40	-39.00
1200	-0.03	-25.06	-25.06	21.15	-43.53	-45.30	-50.01	-40.60
1400	-0.04	-23.89	-23.89	22.09	-51.00	-45.78	-41.70	-42.76
1600	-0.04	-22.90	-22.91	22.82	-37.70	-35.43	-34.08	-34.81
1800	-0.05	-22.05	-22.06	21.25	-31.91	-30.97	-30.06	-29.85
2000	-0.05	-21.36	-21.36	19.91	-29.26	-29.09	-27.71	-27.43
2200	-0.05	-20.75	-20.76	18.98	-28.09	-28.38	-26.56	-26.50
2400	-0.04	-20.30	-20.32	19.70	-27.92	-28.04	-25.89	-26.06
2600	-0.06	-19.95	-19.96	20.60	-26.85	-26.42	-24.63	-24.61
2800	-0.08	-19.65	-19.65	20.33	-24.48	-23.92	-22.68	-22.32
3000	-0.09	-19.36	-19.39	18.98	-22.18	-21.94	-21.00	-20.52
3100	-0.07	-19.31	-19.34	18.45	-21.41	-21.34	-20.42	-20.13
3200	-0.10	-19.15	-19.16	17.24	-20.80	-20.84	-19.98	-19.60
3300	-0.08	-19.21	-19.23	17.78	-20.71	-20.84	-19.88	-19.87
3400	-0.09	-19.08	-19.10	17.96	-20.48	-20.76	-19.89	-19.84
3500	-0.08	-19.11	-19.12	18.91	-20.92	-21.23	-19.90	-20.35
3600	-0.09	-18.96	-18.98	19.73	-20.88	-21.20	-20.43	-20.53
3700	-0.09	-19.10	-19.11	19.57	-21.48	-21.68	-20.58	-20.94
3800	-0.09	-18.97	-18.97	21.39	-21.40	-21.34	-20.85	-20.78
3900	-0.11	-19.24	-19.25	18.96	-21.57	-21.38	-20.87	-20.97
4000	-0.09	-19.05	-19.06	21.15	-21.20	-20.88	-20.62	-20.41
4100	-0.11	-19.13	-19.17	19.55	-20.81	-20.45	-20.22	-20.14
4200	-0.12	-19.24	-19.24	18.73	-20.79	-20.40	-20.27	-20.14
4300	-0.11	-19.29	-19.32	18.66	-20.46	-20.18	-20.29	-20.08
4400	-0.12	-19.34	-19.35	18.94	-20.77	-20.56	-20.60	-20.60
4500	-0.11	-19.53	-19.52	18.72	-20.92	-20.97	-21.10	-21.00
4600	-0.12	-19.54	-19.53	20.90	-21.85	-21.78	-21.89	-22.23
4700	-0.10	-19.62	-19.60	21.62	-22.93	-23.11	-23.28	-23.40
4800	-0.10	-19.65	-19.66	24.10	-24.65	-24.84	-24.63	-24.91
4900	-0.08	-19.76	-19.80	28.64	-25.85	-26.40	-27.19	-26.96
5000	-0.10	-20.16	-20.09	25.09	-28.02	-28.30	-28.32	-28.66
5200	-0.08	-20.46	-20.40	25.53	-27.72	-27.56	-27.81	-28.71
5400	-0.12	-20.97	-20.93	22.96	-26.61	-26.11	-27.02	-27.59
5600	-0.14	-21.30	-21.47	21.76	-25.42	-25.24	-25.81	-25.30
5800	-0.13	-21.94	-21.82	21.88	-25.23	-25.79	-26.37	-24.72
6000	-0.12	-22.58	-22.47	25.60	-25.96	-27.58	-27.85	-26.89
6200	-0.10	-23.18	-23.22	25.91	-25.87	-26.62	-25.89	-27.04
6400	-0.14	-23.93	-23.86	23.24	-22.03	-21.86	-21.21	-22.07
6600	-0.20	-24.51	-24.50	17.96	-18.72	-18.39	-18.17	-18.69
6800	-0.27	-25.44	-25.46	14.12	-16.09	-15.94	-16.08	-15.97
7000	-0.34	-26.68	-26.76	13.56	-14.49	-14.53	-14.66	-14.61

Bi-Directional Coupler

BDCH-20-63+

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	Out	Fwd	Rev
1000	-0.05		-26.48	-26.46	23.16	-39.37	-35.52	-37.42	-40.29
1200	-0.06		-25.05	-25.03	23.49	-51.98	-40.00	-42.20	-47.62
1400	-0.06		-23.88	-23.86	24.45	-47.98	-54.19	-45.34	-44.55
1600	-0.06		-22.90	-22.89	24.68	-40.95	-44.57	-47.38	-41.48
1800	-0.06		-22.08	-22.05	22.79	-37.56	-37.17	-41.37	-39.20
2000	-0.07		-21.33	-21.32	20.03	-33.42	-32.72	-34.92	-35.65
2200	-0.07		-20.73	-20.71	18.43	-30.14	-30.15	-31.08	-32.25
2400	-0.08		-20.31	-20.29	18.30	-27.28	-27.59	-28.73	-28.98
2600	-0.10		-19.93	-19.92	18.65	-24.16	-24.20	-25.59	-25.23
2800	-0.13		-19.64	-19.65	18.01	-21.10	-20.98	-22.28	-21.84
3000	-0.17		-19.47	-19.48	16.72	-19.03	-18.84	-19.89	-19.59
3100	-0.16		-19.40	-19.39	16.19	-18.32	-18.40	-19.09	-18.92
3200	-0.17		-19.26	-19.27	15.45	-17.89	-17.87	-18.50	-18.43
3300	-0.17		-19.27	-19.26	15.38	-17.64	-17.95	-18.43	-18.36
3400	-0.18		-19.14	-19.14	15.61	-17.74	-17.91	-18.22	-18.29
3500	-0.17		-19.11	-19.12	16.39	-17.57	-18.14	-18.55	-18.62
3600	-0.18		-19.07	-19.08	16.88	-18.08	-18.29	-18.82	-18.78
3700	-0.17		-19.12	-19.11	17.92	-17.90	-18.31	-19.10	-19.08
3800	-0.17		-19.06	-19.06	18.45	-18.03	-18.11	-19.27	-18.99
3900	-0.19		-19.28	-19.25	17.10	-17.75	-17.93	-19.33	-19.10
4000	-0.22		-19.19	-19.21	16.59	-17.75	-17.61	-19.36	-18.92
4100	-0.22		-19.27	-19.26	15.58	-17.30	-17.20	-19.08	-18.79
4200	-0.23		-19.33	-19.32	15.31	-17.49	-17.42	-19.25	-18.89
4300	-0.22		-19.44	-19.40	15.78	-17.56	-17.47	-19.15	-18.96
4400	-0.23		-19.41	-19.40	16.30	-18.08	-18.17	-19.82	-19.55
4500	-0.20		-19.55	-19.48	17.27	-18.64	-18.62	-19.94	-20.15
4600	-0.21		-19.58	-19.57	18.00	-19.69	-19.87	-21.22	-21.22
4700	-0.21		-19.66	-19.62	18.63	-21.14	-21.29	-22.46	-23.16
4800	-0.20		-19.88	-19.74	18.98	-22.64	-22.43	-24.78	-24.75
4900	-0.18		-19.88	-19.79	21.45	-24.28	-24.22	-25.67	-26.61
5000	-0.19		-20.04	-19.98	20.42	-24.84	-24.81	-27.05	-27.45
5200	-0.17		-20.51	-20.40	19.02	-26.11	-26.44	-27.26	-27.14
5400	-0.17		-21.27	-21.12	17.89	-27.87	-27.99	-27.16	-27.18
5600	-0.18		-21.52	-21.51	21.89	-31.06	-27.54	-27.50	-27.73
5800	-0.16		-22.05	-21.99	33.93	-37.26	-27.75	-29.50	-29.84
6000	-0.16		-22.62	-22.66	35.69	-38.34	-32.16	-33.95	-36.33
6200	-0.18		-23.02	-23.19	29.29	-29.03	-37.96	-34.17	-35.50
6400	-0.22		-23.97	-23.86	28.58	-23.93	-26.16	-26.82	-26.19
6600	-0.25		-24.72	-24.81	20.19	-21.18	-21.27	-22.15	-21.99
6800	-0.32		-26.04	-25.69	19.32	-18.51	-18.55	-19.19	-19.12
7000	-0.34		-26.83	-26.53	14.49	-17.24	-17.47	-17.61	-17.81

NOTES:

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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	Out	Fwd	Rev
1000	-0.03		-26.46	-26.48	22.18	-35.52	-39.37	-40.29	-37.42
1200	-0.04		-25.03	-25.05	22.63	-40.00	-51.98	-47.62	-42.20
1400	-0.05		-23.86	-23.88	23.68	-54.19	-47.98	-44.55	-45.34
1600	-0.05		-22.89	-22.90	24.23	-44.57	-40.95	-41.48	-47.38
1800	-0.05		-22.05	-22.08	22.00	-37.17	-37.56	-39.20	-41.37
2000	-0.05		-21.32	-21.33	19.33	-32.72	-33.42	-35.65	-34.92
2200	-0.05		-20.71	-20.73	17.92	-30.15	-30.14	-32.25	-31.08
2400	-0.06		-20.29	-20.31	18.16	-27.59	-27.28	-28.98	-28.73
2600	-0.08		-19.92	-19.93	18.65	-24.20	-24.16	-25.23	-25.59
2800	-0.10		-19.65	-19.64	18.01	-20.98	-21.10	-21.84	-22.28
3000	-0.13		-19.48	-19.47	16.42	-18.84	-19.03	-19.59	-19.89
3100	-0.13		-19.39	-19.40	15.91	-18.40	-18.32	-18.92	-19.09
3200	-0.15		-19.27	-19.26	15.16	-17.87	-17.89	-18.43	-18.50
3300	-0.16		-19.26	-19.27	15.30	-17.95	-17.64	-18.36	-18.43
3400	-0.15		-19.14	-19.14	15.55	-17.91	-17.74	-18.29	-18.22
3500	-0.16		-19.12	-19.11	16.61	-18.14	-17.57	-18.62	-18.55
3600	-0.16		-19.08	-19.07	17.25	-18.29	-18.08	-18.78	-18.82
3700	-0.16		-19.11	-19.12	18.62	-18.31	-17.90	-19.08	-19.10
3800	-0.15		-19.06	-19.06	19.24	-18.11	-18.03	-18.99	-19.27
3900	-0.17		-19.25	-19.28	17.85	-17.93	-17.75	-19.10	-19.33
4000	-0.20		-19.21	-19.19	16.97	-17.61	-17.75	-18.92	-19.36
4100	-0.19		-19.26	-19.27	16.31	-17.20	-17.30	-18.79	-19.08
4200	-0.19		-19.32	-19.33	15.95	-17.42	-17.49	-18.89	-19.25
4300	-0.18		-19.40	-19.44	16.16	-17.47	-17.56	-18.96	-19.15
4400	-0.19		-19.40	-19.41	17.09	-18.17	-18.08	-19.55	-19.82
4500	-0.17		-19.48	-19.55	18.32	-18.62	-18.64	-20.15	-19.94
4600	-0.18		-19.57	-19.58	19.68	-19.87	-19.69	-21.22	-21.22
4700	-0.18		-19.62	-19.66	20.41	-21.29	-21.14	-23.16	-22.46
4800	-0.17		-19.74	-19.88	20.57	-22.43	-22.64	-24.75	-24.78
4900	-0.15		-19.79	-19.88	24.96	-24.22	-24.28	-26.61	-25.67
5000	-0.15		-19.98	-20.04	22.82	-24.81	-24.84	-27.45	-27.05
5200	-0.14		-20.40	-20.51	20.95	-26.44	-26.11	-27.14	-27.26
5400	-0.15		-21.12	-21.27	18.92	-27.99	-27.87	-27.18	-27.16
5600	-0.15		-21.51	-21.52	22.96	-27.54	-31.06	-27.73	-27.50
5800	-0.13		-21.99	-22.05	32.11	-27.75	-37.26	-29.84	-29.50
6000	-0.13		-22.66	-22.62	36.99	-32.16	-38.34	-36.33	-33.95
6200	-0.14		-23.19	-23.02	36.15	-37.96	-29.03	-35.50	-34.17
6400	-0.18		-23.86	-23.97	28.67	-26.16	-23.93	-26.19	-26.82
6600	-0.22		-24.81	-24.72	19.00	-21.27	-21.18	-21.99	-22.15
6800	-0.28		-25.69	-26.04	16.24	-18.55	-18.51	-19.12	-19.19
7000	-0.29		-26.53	-26.83	15.83	-17.47	-17.24	-17.81	-17.61

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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	Out	Fwd	Rev
1000	-0.06		-26.49	-26.48	23.10	-40.29	-37.42	-35.52	-39.37
1200	-0.07		-25.06	-25.05	23.36	-47.62	-42.20	-40.00	-51.98
1400	-0.07		-23.88	-23.88	24.36	-44.55	-45.34	-54.19	-47.98
1600	-0.08		-22.91	-22.89	24.79	-41.48	-47.38	-44.57	-40.95
1800	-0.08		-22.07	-22.07	22.76	-39.20	-41.37	-37.17	-37.56
2000	-0.08		-21.34	-21.32	19.92	-35.65	-34.92	-32.72	-33.42
2200	-0.08		-20.73	-20.72	18.30	-32.25	-31.08	-30.15	-30.14
2400	-0.09		-20.31	-20.30	18.29	-28.98	-28.73	-27.59	-27.28
2600	-0.10		-19.95	-19.92	18.65	-25.23	-25.59	-24.20	-24.16
2800	-0.13		-19.67	-19.63	18.20	-21.84	-22.28	-20.98	-21.10
3000	-0.16		-19.50	-19.46	16.73	-19.59	-19.89	-18.84	-19.03
3100	-0.16		-19.42	-19.39	16.08	-18.92	-19.09	-18.40	-18.32
3200	-0.18		-19.29	-19.25	15.35	-18.43	-18.50	-17.87	-17.89
3300	-0.18		-19.28	-19.27	15.29	-18.36	-18.43	-17.95	-17.64
3400	-0.19		-19.15	-19.11	15.49	-18.29	-18.22	-17.91	-17.74
3500	-0.17		-19.14	-19.11	16.40	-18.62	-18.55	-18.14	-17.57
3600	-0.19		-19.09	-19.06	16.71	-18.78	-18.82	-18.29	-18.08
3700	-0.17		-19.13	-19.11	17.96	-19.08	-19.10	-18.31	-17.90
3800	-0.17		-19.07	-19.05	18.37	-18.99	-19.27	-18.11	-18.03
3900	-0.18		-19.28	-19.27	17.28	-19.10	-19.33	-17.93	-17.75
4000	-0.18		-19.22	-19.18	16.61	-18.92	-19.36	-17.61	-17.75
4100	-0.19		-19.30	-19.26	15.60	-18.79	-19.08	-17.20	-17.30
4200	-0.21		-19.34	-19.32	15.35	-18.89	-19.25	-17.42	-17.49
4300	-0.20		-19.44	-19.42	15.57	-18.96	-19.15	-17.47	-17.56
4400	-0.21		-19.42	-19.40	16.36	-19.55	-19.82	-18.17	-18.08
4500	-0.18		-19.51	-19.52	17.19	-20.15	-19.94	-18.62	-18.64
4600	-0.21		-19.59	-19.56	18.10	-21.22	-21.22	-19.87	-19.69
4700	-0.20		-19.64	-19.63	18.58	-23.16	-22.46	-21.29	-21.14
4800	-0.21		-19.76	-19.87	19.09	-24.75	-24.78	-22.43	-22.64
4900	-0.18		-19.80	-19.84	21.55	-26.61	-25.67	-24.22	-24.28
5000	-0.19		-20.00	-20.02	20.79	-27.45	-27.05	-24.81	-24.84
5200	-0.19		-20.42	-20.49	19.16	-27.14	-27.26	-26.44	-26.11
5400	-0.18		-21.15	-21.27	17.66	-27.18	-27.16	-27.99	-27.87
5600	-0.20		-21.53	-21.52	21.36	-27.73	-27.50	-27.54	-31.06
5800	-0.17		-22.01	-22.03	34.14	-29.84	-29.50	-27.75	-37.26
6000	-0.17		-22.67	-22.60	35.49	-36.33	-33.95	-32.16	-38.34
6200	-0.19		-23.21	-22.98	30.53	-35.50	-34.17	-37.96	-29.03
6400	-0.23		-23.88	-23.91	30.28	-26.19	-26.82	-26.16	-23.93
6600	-0.26		-24.83	-24.68	20.39	-21.99	-22.15	-21.27	-21.18
6800	-0.33		-25.72	-26.00	19.51	-19.12	-19.19	-18.55	-18.51
7000	-0.35		-26.57	-26.77	14.98	-17.81	-17.61	-17.47	-17.24

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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	Out	Fwd	Rev
1000	-0.04		-26.48	-26.49	22.16	-37.42	-40.29	-39.37	-35.52
1200	-0.05		-25.05	-25.06	22.48	-42.20	-47.62	-51.98	-40.00
1400	-0.06		-23.88	-23.88	23.49	-45.34	-44.55	-47.98	-54.19
1600	-0.06		-22.89	-22.91	24.11	-47.38	-41.48	-40.95	-44.57
1800	-0.07		-22.07	-22.07	22.19	-41.37	-39.20	-37.56	-37.17
2000	-0.07		-21.32	-21.34	19.46	-34.92	-35.65	-33.42	-32.72
2200	-0.07		-20.72	-20.73	17.92	-31.08	-32.25	-30.14	-30.15
2400	-0.08		-20.30	-20.31	17.99	-28.73	-28.98	-27.28	-27.59
2600	-0.09		-19.92	-19.95	18.46	-25.59	-25.23	-24.16	-24.20
2800	-0.12		-19.63	-19.67	18.12	-22.28	-21.84	-21.10	-20.98
3000	-0.15		-19.46	-19.50	16.74	-19.89	-19.59	-19.03	-18.84
3100	-0.14		-19.39	-19.42	16.15	-19.09	-18.92	-18.32	-18.40
3200	-0.16		-19.25	-19.29	15.42	-18.50	-18.43	-17.89	-17.87
3300	-0.16		-19.27	-19.28	15.45	-18.43	-18.36	-17.64	-17.95
3400	-0.17		-19.11	-19.15	15.57	-18.22	-18.29	-17.74	-17.91
3500	-0.15		-19.11	-19.14	16.48	-18.55	-18.62	-17.57	-18.14
3600	-0.17		-19.06	-19.09	17.02	-18.82	-18.78	-18.08	-18.29
3700	-0.15		-19.11	-19.13	18.28	-19.10	-19.08	-17.90	-18.31
3800	-0.16		-19.05	-19.07	19.06	-19.27	-18.99	-18.03	-18.11
3900	-0.16		-19.27	-19.28	17.99	-19.33	-19.10	-17.75	-17.93
4000	-0.17		-19.18	-19.22	17.22	-19.36	-18.92	-17.75	-17.61
4100	-0.18		-19.26	-19.30	16.64	-19.08	-18.79	-17.30	-17.20
4200	-0.20		-19.32	-19.34	16.23	-19.25	-18.89	-17.49	-17.42
4300	-0.19		-19.42	-19.44	16.35	-19.15	-18.96	-17.56	-17.47
4400	-0.20		-19.40	-19.42	17.15	-19.82	-19.55	-18.08	-18.17
4500	-0.17		-19.52	-19.51	18.07	-19.94	-20.15	-18.64	-18.62
4600	-0.18		-19.56	-19.59	19.20	-21.22	-21.22	-19.69	-19.87
4700	-0.18		-19.63	-19.64	19.66	-22.46	-23.16	-21.14	-21.29
4800	-0.18		-19.87	-19.76	19.75	-24.78	-24.75	-22.64	-22.43
4900	-0.16		-19.84	-19.80	24.38	-25.67	-26.61	-24.28	-24.22
5000	-0.16		-20.02	-20.00	22.88	-27.05	-27.45	-24.84	-24.81
5200	-0.16		-20.49	-20.42	21.65	-27.26	-27.14	-26.11	-26.44
5400	-0.16		-21.27	-21.15	19.15	-27.16	-27.18	-27.87	-27.99
5600	-0.18		-21.52	-21.53	23.07	-27.50	-27.73	-31.06	-27.54
5800	-0.15		-22.03	-22.01	30.89	-29.50	-29.84	-37.26	-27.75
6000	-0.13		-22.60	-22.67	37.27	-33.95	-36.33	-38.34	-32.16
6200	-0.15		-22.98	-23.21	35.90	-34.17	-35.50	-29.03	-37.96
6400	-0.19		-23.91	-23.88	28.32	-26.82	-26.19	-23.93	-26.16
6600	-0.22		-24.68	-24.83	20.08	-22.15	-21.99	-21.18	-21.27
6800	-0.29		-26.00	-25.72	16.65	-19.19	-19.12	-18.51	-18.55
7000	-0.31		-26.77	-26.57	15.59	-17.61	-17.81	-17.24	-17.47

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