

Typical Performance Data

Definitions:

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

TEST CONDITIONS: VDD= +2.75V, IDD = 82mA @ Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
26000.00	21.84	59.61	-8.82	-8.85	39.50	0.99	20.17	10.46	2.48
26500.00	21.63	59.49	-8.40	-8.85	39.52	1.00	20.64	10.73	2.52
27000.00	21.50	59.73	-8.15	-9.02	41.23	1.01	20.93	10.19	2.53
27400.00	21.46	58.89	-8.09	-9.31	37.92	1.02	20.37	10.55	2.51
27800.00	21.47	59.95	-8.22	-9.74	43.75	1.03	20.49	10.44	2.53
28200.00	21.51	59.60	-8.49	-10.29	43.07	1.04	20.65	10.77	2.55
28600.00	21.56	59.78	-8.90	-10.93	44.98	1.04	20.20	10.57	2.57
29000.00	21.61	60.14	-9.37	-11.51	48.09	1.04	20.71	10.63	2.54
29400.00	21.66	59.34	-9.81	-11.95	44.61	1.03	20.01	11.11	2.53
29800.00	21.63	58.78	-10.08	-12.15	42.55	1.03	20.16	10.22	2.54
30200.00	21.62	58.00	-10.12	-12.09	39.03	1.03	20.33	10.78	2.64
30600.00	21.63	58.10	-10.00	-11.91	39.34	1.03	19.91	10.60	2.63
31000.00	21.73	57.55	-9.76	-11.68	36.28	1.03	19.01	10.31	2.71
31400.00	21.86	57.30	-9.49	-11.53	34.44	1.03	19.38	10.23	2.69
31800.00	22.04	56.01	-9.26	-11.59	29.06	1.04	19.69	10.64	2.73
32200.00	22.33	54.96	-9.17	-11.89	25.10	1.05	20.71	10.74	2.75
32600.00	22.56	54.03	-9.27	-12.38	22.23	1.05	18.91	10.70	2.77
33000.00	22.77	53.02	-9.58	-13.03	19.78	1.05	19.37	10.91	2.76
33400.00	22.89	52.20	-10.06	-13.62	18.10	1.05	18.82	11.17	2.74
33800.00	22.97	51.51	-10.68	-14.11	16.91	1.04	20.54	11.34	2.73
34200.00	22.97	51.29	-11.37	-14.32	16.83	1.03	19.76	11.25	2.70
34600.00	22.83	50.51	-11.96	-14.31	15.78	1.02	19.79	11.12	2.73
35000.00	22.61	50.50	-12.34	-14.20	16.33	1.02	19.76	10.63	2.69
35400.00	22.34	49.96	-12.37	-14.02	15.88	1.01	19.90	10.77	2.72
35800.00	22.00	49.96	-12.03	-13.92	16.48	1.02	19.43	10.97	2.77
36200.00	21.62	50.03	-11.48	-13.90	17.20	1.03	21.22	11.22	2.82
36600.00	21.28	49.86	-10.89	-13.89	17.37	1.04	20.58	11.24	2.87
37000.00	21.01	49.94	-10.36	-13.88	17.93	1.05	20.07	10.92	2.93
37400.00	20.73	50.18	-9.84	-13.74	18.76	1.06	19.85	11.28	3.03
37800.00	20.40	50.22	-9.36	-13.39	19.20	1.07	19.96	11.11	3.07
38200.00	20.11	50.65	-9.02	-12.89	20.66	1.07	19.78	11.06	3.09
38600.00	19.73	50.51	-8.78	-12.38	20.99	1.07	20.01	10.81	3.10
39000.00	19.36	50.45	-8.70	-11.89	21.67	1.06	20.08	10.66	3.14
39400.00	19.02	50.58	-8.77	-11.50	22.90	1.05	19.68	10.81	3.20
39800.00	18.80	49.78	-8.85	-11.28	21.55	1.05	19.31	10.72	3.18
40200.00	18.60	49.33	-8.79	-11.17	20.87	1.05	19.47	10.77	3.24
40600.00	18.46	49.61	-8.49	-11.15	21.73	1.05	20.11	10.31	3.17
41000.00	18.30	49.55	-8.01	-11.24	21.69	1.07	19.94	10.77	3.15
41400.00	17.97	49.89	-7.48	-11.37	22.80	1.09	19.60	10.56	3.23
41800.00	17.67	49.63	-7.02	-11.58	22.57	1.11	20.10	10.85	3.19
42200.00	17.32	49.67	-6.74	-11.82	23.37	1.13	19.91	10.45	3.20
42600.00	17.00	49.49	-6.53	-12.04	23.61	1.14	19.64	10.74	3.26
43000.00	16.73	49.04	-6.37	-12.10	23.07	1.15	19.35	10.61	3.29
43500.00	16.41	48.89	-6.26	-12.01	23.47	1.15	19.38	10.65	3.18
44000.00	16.02	48.41	-6.12	-11.90	22.93	1.16	18.96	10.35	3.37
44500.00	15.62	48.46	-5.89	-11.81	23.79	1.17	18.89	10.21	3.31
45000.00	15.18	47.90	-5.62	-11.74	23.02	1.19	19.66	9.80	3.64

Typical Performance Data

Definitions:

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

TEST CONDITIONS: VDD = +3V, IDD = 83mA @ Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
26000.00	21.85	59.61	-8.81	-8.92	39.56	0.99	20.11	10.94	2.49
26500.00	21.64	59.29	-8.41	-8.93	38.66	1.00	20.41	11.23	2.53
27000.00	21.51	59.91	-8.16	-9.10	42.18	1.01	20.16	10.70	2.54
27400.00	21.48	58.67	-8.10	-9.39	37.00	1.02	19.54	11.09	2.56
27800.00	21.49	59.93	-8.23	-9.83	43.68	1.03	19.47	10.97	2.55
28200.00	21.53	59.74	-8.51	-10.39	43.81	1.04	19.67	11.36	2.56
28600.00	21.58	59.54	-8.91	-11.04	43.79	1.04	19.71	11.12	2.60
29000.00	21.63	59.46	-9.38	-11.62	44.45	1.04	19.87	11.13	2.55
29400.00	21.68	60.01	-9.81	-12.06	48.16	1.04	19.57	11.69	2.56
29800.00	21.65	58.86	-10.07	-12.26	42.90	1.03	19.93	10.81	2.60
30200.00	21.63	59.25	-10.12	-12.19	45.04	1.03	19.97	11.28	2.62
30600.00	21.64	58.93	-9.99	-12.01	43.30	1.03	19.35	11.15	2.64
31000.00	21.73	57.43	-9.74	-11.77	35.83	1.03	19.30	10.89	2.64
31400.00	21.84	57.17	-9.48	-11.62	34.05	1.04	19.37	10.75	2.70
31800.00	22.02	56.47	-9.25	-11.67	30.77	1.04	19.24	11.14	2.73
32200.00	22.29	55.55	-9.15	-11.97	27.01	1.05	18.69	11.21	2.75
32600.00	22.52	54.01	-9.25	-12.47	22.29	1.05	19.38	11.17	2.77
33000.00	22.73	53.14	-9.54	-13.13	20.15	1.05	19.24	11.37	2.82
33400.00	22.84	52.40	-10.01	-13.73	18.64	1.05	19.11	11.65	2.79
33800.00	22.91	52.10	-10.63	-14.23	18.21	1.04	19.37	11.79	2.75
34200.00	22.89	51.03	-11.32	-14.45	16.48	1.03	19.08	11.69	2.73
34600.00	22.74	50.99	-11.90	-14.44	16.85	1.02	19.43	11.61	2.75
35000.00	22.52	50.61	-12.26	-14.33	16.71	1.02	19.48	11.16	2.74
35400.00	22.23	50.20	-12.31	-14.16	16.52	1.02	19.45	11.24	2.74
35800.00	21.89	50.25	-11.96	-14.06	17.26	1.02	20.19	11.45	2.78
36200.00	21.52	50.26	-11.43	-14.04	17.88	1.03	20.06	11.74	2.85
36600.00	21.18	50.14	-10.85	-14.04	18.16	1.04	19.86	11.79	2.90
37000.00	20.91	50.34	-10.32	-14.03	19.00	1.05	20.19	11.45	2.97
37400.00	20.64	50.16	-9.82	-13.91	18.94	1.06	20.07	11.84	3.03
37800.00	20.33	50.30	-9.35	-13.56	19.59	1.07	19.27	11.71	3.10
38200.00	20.05	50.77	-9.02	-13.07	21.15	1.07	19.50	11.66	3.11
38600.00	19.68	50.88	-8.78	-12.57	22.10	1.07	19.42	11.40	3.15
39000.00	19.33	50.90	-8.68	-12.08	22.96	1.07	20.11	11.26	3.23
39400.00	18.99	50.28	-8.73	-11.70	22.24	1.06	18.66	11.42	3.26
39800.00	18.76	49.81	-8.80	-11.49	21.78	1.05	19.54	11.33	3.19
40200.00	18.56	49.73	-8.77	-11.40	22.01	1.05	19.86	11.40	3.23
40600.00	18.43	49.74	-8.51	-11.40	22.23	1.06	19.89	10.90	3.19
41000.00	18.29	49.32	-8.04	-11.53	21.26	1.08	19.66	11.37	3.18
41400.00	18.00	49.77	-7.52	-11.68	22.57	1.10	19.58	11.23	3.24
41800.00	17.72	49.73	-7.05	-11.92	22.85	1.12	20.60	11.44	3.24
42200.00	17.39	49.59	-6.76	-12.19	23.11	1.14	20.02	11.06	3.29
42600.00	17.09	49.10	-6.54	-12.42	22.46	1.15	19.43	11.39	3.27
43000.00	16.84	48.84	-6.37	-12.49	22.38	1.16	19.21	11.19	3.30
43500.00	16.56	48.73	-6.23	-12.41	22.75	1.16	18.63	11.25	3.25
44000.00	16.19	48.61	-6.07	-12.28	23.07	1.17	18.48	11.02	3.26
44500.00	15.81	48.43	-5.82	-12.18	23.20	1.18	19.38	10.84	3.42
45000.00	15.39	48.04	-5.54	-12.10	22.82	1.20	19.15	10.46	3.42

Typical Performance Data

Definitions:

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

TEST CONDITIONS: VDD = +3.25V, IDD = 84mA @ Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
26000.00	21.83	59.57	-8.81	-8.99	39.57	0.99	19.74	11.48	2.48
26500.00	21.63	59.43	-8.40	-9.00	39.45	1.00	19.98	11.76	2.57
27000.00	21.50	59.97	-8.16	-9.17	42.58	1.02	20.31	11.21	2.55
27400.00	21.48	58.90	-8.11	-9.47	38.08	1.03	19.37	11.66	2.58
27800.00	21.49	59.76	-8.23	-9.92	42.92	1.03	19.93	11.49	2.57
28200.00	21.53	60.13	-8.51	-10.49	45.90	1.04	19.99	11.90	2.56
28600.00	21.58	59.97	-8.91	-11.14	46.11	1.04	19.49	11.61	2.61
29000.00	21.63	59.83	-9.38	-11.73	46.50	1.04	21.10	11.62	2.60
29400.00	21.68	59.64	-9.81	-12.16	46.25	1.04	19.51	12.21	2.60
29800.00	21.65	59.24	-10.07	-12.36	44.89	1.04	19.92	11.36	2.68
30200.00	21.63	58.45	-10.11	-12.29	41.13	1.03	19.41	11.78	2.65
30600.00	21.63	58.80	-9.97	-12.10	42.76	1.03	19.78	11.69	2.66
31000.00	21.70	57.30	-9.72	-11.85	35.41	1.03	19.37	11.48	2.70
31400.00	21.80	57.92	-9.45	-11.71	37.33	1.04	18.95	11.38	2.73
31800.00	21.97	56.74	-9.22	-11.75	31.90	1.04	18.92	11.69	2.77
32200.00	22.24	55.30	-9.13	-12.05	26.40	1.05	19.43	11.75	2.81
32600.00	22.46	54.46	-9.21	-12.55	23.62	1.06	19.36	11.74	2.77
33000.00	22.67	53.20	-9.50	-13.23	20.41	1.06	19.15	11.98	2.81
33400.00	22.78	52.57	-9.96	-13.83	19.16	1.05	18.65	12.21	2.81
33800.00	22.82	52.03	-10.57	-14.34	18.25	1.04	18.74	12.31	2.78
34200.00	22.80	51.60	-11.26	-14.58	17.78	1.03	19.59	12.22	2.75
34600.00	22.63	51.38	-11.83	-14.56	17.85	1.03	18.92	12.20	2.78
35000.00	22.40	51.01	-12.20	-14.47	17.74	1.02	19.24	11.75	2.80
35400.00	22.11	50.97	-12.25	-14.30	18.33	1.02	19.15	11.80	2.78
35800.00	21.77	50.80	-11.91	-14.21	18.65	1.02	18.91	12.03	2.81
36200.00	21.40	50.50	-11.37	-14.18	18.64	1.03	19.50	12.39	2.88
36600.00	21.06	50.41	-10.80	-14.20	19.00	1.04	20.02	12.44	2.89
37000.00	20.80	50.73	-10.28	-14.18	20.14	1.05	20.15	12.08	3.02
37400.00	20.53	50.74	-9.80	-14.07	20.50	1.06	20.03	12.50	3.07
37800.00	20.23	51.03	-9.33	-13.74	21.57	1.07	19.27	12.39	3.13
38200.00	19.96	50.68	-9.02	-13.24	21.19	1.07	19.26	12.37	3.22
38600.00	19.62	50.80	-8.78	-12.76	22.11	1.08	19.28	12.10	3.25
39000.00	19.28	51.14	-8.67	-12.28	23.81	1.07	20.02	11.97	3.20
39400.00	18.95	50.49	-8.70	-11.90	22.95	1.06	19.44	12.12	3.21
39800.00	18.72	50.40	-8.77	-11.70	23.49	1.06	19.13	12.02	3.23
40200.00	18.52	49.76	-8.75	-11.63	22.27	1.06	19.60	12.10	3.23
40600.00	18.40	49.77	-8.51	-11.66	22.49	1.06	19.54	11.65	3.23
41000.00	18.28	49.82	-8.07	-11.81	22.69	1.08	20.12	12.08	3.21
41400.00	18.01	49.91	-7.55	-12.00	23.07	1.10	20.04	11.88	3.29
41800.00	17.75	49.98	-7.07	-12.24	23.57	1.12	19.72	12.14	3.23
42200.00	17.44	49.48	-6.77	-12.54	22.82	1.14	19.26	11.68	3.26
42600.00	17.17	49.52	-6.54	-12.79	23.48	1.15	19.42	12.03	3.30
43000.00	16.94	48.87	-6.35	-12.88	22.28	1.16	19.14	11.82	3.32
43500.00	16.68	48.51	-6.20	-12.79	21.96	1.17	18.70	11.94	3.25
44000.00	16.33	48.73	-6.02	-12.65	23.03	1.18	19.25	11.65	3.34
44500.00	15.98	48.07	-5.76	-12.55	21.85	1.19	19.21	11.49	3.25
45000.00	15.56	47.62	-5.46	-12.45	21.26	1.21	20.20	11.08	3.16

Typical Performance Data

Definitions:

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

TEST CONDITIONS: VDD = +2.75V, IDD =80mA @ Temperature = -45°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
26000.00	22.74	59.59	-7.95	-7.71	31.35	0.97	20.95	10.88	1.79
26500.00	22.60	59.17	-7.72	-8.16	30.79	0.99	21.56	10.94	1.84
27000.00	22.61	58.40	-7.73	-8.69	28.90	1.01	21.30	10.78	1.82
27400.00	22.67	58.26	-8.02	-9.15	29.11	1.02	21.15	10.86	1.82
27800.00	22.62	59.04	-8.16	-9.36	32.53	1.02	20.88	10.95	1.78
28200.00	22.50	59.46	-8.02	-9.59	34.77	1.03	21.05	10.80	1.83
28600.00	22.38	59.60	-8.00	-9.36	35.54	1.03	21.29	10.55	1.91
29000.00	22.38	58.94	-8.09	-9.99	33.77	1.04	22.15	10.68	1.86
29400.00	22.43	59.66	-8.60	-10.53	37.74	1.04	21.56	10.81	1.88
29800.00	22.45	59.35	-9.22	-11.17	37.73	1.03	21.35	10.91	1.88
30200.00	22.59	58.81	-9.88	-11.88	36.16	1.03	21.34	11.00	1.89
30600.00	22.66	59.37	-10.33	-11.91	38.83	1.02	21.27	10.96	1.87
31000.00	22.71	58.39	-10.11	-11.33	34.04	1.02	21.28	11.00	1.92
31400.00	22.65	57.93	-9.32	-10.37	31.29	1.02	20.48	10.74	1.93
31800.00	22.66	57.02	-8.56	-9.69	27.14	1.02	19.92	10.53	1.99
32200.00	22.83	55.80	-8.02	-9.69	22.70	1.03	20.59	10.92	2.06
32600.00	23.09	54.40	-8.00	-9.80	18.84	1.03	20.47	11.30	2.08
33000.00	23.38	53.28	-8.29	-10.89	16.70	1.05	20.15	11.33	2.12
33400.00	23.65	52.16	-9.23	-12.34	15.06	1.05	21.56	11.53	2.07
33800.00	23.93	51.32	-10.47	-14.25	14.01	1.04	20.12	11.62	2.00
34200.00	23.97	50.69	-11.60	-14.92	13.36	1.03	20.36	11.52	1.96
34600.00	23.79	50.31	-11.86	-14.69	13.11	1.02	20.67	11.37	1.96
35000.00	23.45	50.50	-11.45	-13.49	13.73	1.02	19.93	11.11	2.01
35400.00	23.05	50.34	-10.71	-12.47	13.78	1.02	20.40	11.29	2.06
35800.00	22.61	50.19	-10.24	-11.83	14.02	1.02	21.22	11.47	2.11
36200.00	22.31	49.94	-10.37	-11.72	14.13	1.02	21.81	11.61	2.14
36600.00	22.00	49.67	-10.51	-12.41	14.42	1.03	22.76	11.63	2.12
37000.00	21.88	49.29	-10.88	-14.07	14.41	1.04	21.38	11.40	2.17
37400.00	21.74	49.52	-10.77	-15.76	15.17	1.06	21.27	11.37	2.19
37800.00	21.51	49.18	-10.15	-15.67	14.78	1.07	21.59	11.24	2.25
38200.00	21.15	49.22	-9.22	-13.99	14.86	1.08	20.93	11.24	2.37
38600.00	20.68	49.65	-8.33	-12.56	15.76	1.09	21.85	11.31	2.47
39000.00	20.17	50.09	-7.91	-11.24	16.96	1.08	21.27	11.19	2.51
39400.00	19.69	49.70	-7.82	-10.44	16.85	1.06	20.71	11.20	2.50
39800.00	19.38	49.60	-8.10	-10.40	17.53	1.05	20.16	11.00	2.50
40200.00	19.32	48.64	-8.43	-10.81	16.28	1.05	19.92	10.76	2.49
40600.00	19.26	48.64	-8.51	-10.89	16.58	1.05	20.90	10.72	2.41
41000.00	19.17	48.83	-7.97	-10.90	16.86	1.07	21.18	10.54	2.39
41400.00	18.79	48.75	-7.04	-10.42	16.40	1.09	21.30	10.59	2.49
41800.00	18.37	48.91	-6.26	-9.92	16.52	1.11	21.28	10.80	2.47
42200.00	17.98	48.82	-5.89	-9.88	16.67	1.12	21.26	10.94	2.53
42600.00	17.72	48.07	-5.90	-10.11	16.00	1.13	20.62	11.38	2.46
43000.00	17.70	47.67	-6.23	-11.21	16.21	1.14	20.88	11.02	2.45
43500.00	17.55	47.25	-6.45	-12.45	16.31	1.15	20.27	10.42	2.35
44000.00	17.06	47.29	-5.81	-12.56	16.48	1.19	20.11	10.19	2.45
44500.00	16.34	47.47	-4.82	-11.04	16.27	1.22	21.46	10.16	2.63
45000.00	15.63	47.66	-4.33	-9.57	16.51	1.21	20.27	9.91	2.56

Typical Performance Data

Definitions:

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

TEST CONDITIONS: VDD = +3V, IDD = 81mA @ Temperature = -45°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
26000.00	22.71	59.01	-7.90	-7.78	29.43	0.97	20.57	11.43	1.82
26500.00	22.58	59.33	-7.69	-8.24	31.46	1.00	21.80	11.47	1.85
27000.00	22.59	58.93	-7.71	-8.77	30.86	1.02	21.26	11.33	1.84
27400.00	22.65	58.28	-8.00	-9.24	29.32	1.02	20.59	11.42	1.82
27800.00	22.61	59.88	-8.14	-9.44	35.98	1.02	21.58	11.53	1.82
28200.00	22.48	59.94	-8.00	-9.67	36.86	1.04	21.34	11.35	1.85
28600.00	22.37	59.89	-7.99	-9.45	36.85	1.03	20.88	11.09	1.91
29000.00	22.37	60.39	-8.07	-10.08	40.02	1.04	21.33	11.19	1.90
29400.00	22.43	60.10	-8.59	-10.62	39.84	1.04	20.86	11.27	1.91
29800.00	22.45	59.77	-9.20	-11.27	39.68	1.04	21.64	11.45	1.98
30200.00	22.58	60.02	-9.86	-11.99	41.61	1.03	20.43	11.56	1.86
30600.00	22.65	58.56	-10.29	-12.01	35.40	1.03	20.51	11.49	1.89
31000.00	22.70	58.17	-10.06	-11.42	33.25	1.02	20.20	11.54	1.93
31400.00	22.62	57.94	-9.28	-10.45	31.45	1.02	20.04	11.31	1.97
31800.00	22.63	57.24	-8.53	-9.76	27.95	1.02	20.30	11.09	2.04
32200.00	22.78	56.17	-7.99	-9.75	23.83	1.04	20.42	11.47	2.10
32600.00	23.04	54.61	-7.97	-9.86	19.44	1.04	20.05	11.83	2.12
33000.00	23.32	53.57	-8.25	-10.95	17.36	1.05	20.48	11.81	2.14
33400.00	23.60	52.41	-9.19	-12.41	15.60	1.05	20.10	12.04	2.09
33800.00	23.87	51.57	-10.41	-14.34	14.52	1.05	19.99	12.18	2.04
34200.00	23.89	51.01	-11.54	-15.04	13.98	1.03	19.81	12.05	1.98
34600.00	23.69	50.42	-11.79	-14.77	13.43	1.03	20.27	11.91	2.00
35000.00	23.34	50.54	-11.38	-13.57	13.95	1.02	19.78	11.66	2.02
35400.00	22.93	50.28	-10.65	-12.55	13.89	1.02	20.14	11.83	2.08
35800.00	22.48	50.37	-10.19	-11.91	14.52	1.02	20.14	11.98	2.12
36200.00	22.18	50.09	-10.31	-11.82	14.60	1.02	21.31	12.11	2.17
36600.00	21.86	50.15	-10.45	-12.53	15.48	1.03	20.20	12.17	2.18
37000.00	21.75	49.56	-10.82	-14.24	15.10	1.04	20.53	11.95	2.21
37400.00	21.61	49.67	-10.71	-15.97	15.67	1.06	19.94	11.96	2.23
37800.00	21.38	49.59	-10.09	-15.87	15.72	1.07	20.60	11.83	2.28
38200.00	21.04	49.58	-9.18	-14.15	15.72	1.08	19.53	11.81	2.43
38600.00	20.57	49.76	-8.29	-12.70	16.17	1.09	20.72	11.97	2.47
39000.00	20.08	50.35	-7.88	-11.39	17.68	1.08	20.06	11.80	2.54
39400.00	19.61	50.30	-7.76	-10.59	18.23	1.07	19.95	11.84	2.55
39800.00	19.30	49.82	-8.00	-10.56	18.13	1.06	18.87	11.67	2.53
40200.00	19.22	49.52	-8.32	-10.98	18.22	1.06	19.97	11.42	2.49
40600.00	19.15	48.53	-8.43	-11.10	16.58	1.06	19.78	11.41	2.43
41000.00	19.08	48.88	-7.93	-11.14	17.18	1.07	19.90	11.28	2.40
41400.00	18.72	48.99	-7.02	-10.67	17.06	1.10	21.03	11.27	2.55
41800.00	18.33	49.24	-6.25	-10.17	17.35	1.12	20.34	11.53	2.49
42200.00	17.96	48.69	-5.88	-10.15	16.56	1.13	19.38	11.69	2.63
42600.00	17.72	48.05	-5.88	-10.38	16.05	1.14	19.14	12.14	2.51
43000.00	17.71	47.74	-6.21	-11.52	16.38	1.15	18.85	11.78	2.48
43500.00	17.58	47.19	-6.39	-12.83	16.15	1.16	18.99	11.19	2.38
44000.00	17.10	47.42	-5.75	-12.96	16.64	1.20	18.92	10.99	2.50
44500.00	16.40	47.22	-4.76	-11.37	15.67	1.23	19.61	10.90	2.64
45000.00	15.71	47.44	-4.26	-9.83	15.92	1.22	19.76	10.65	2.70

Typical Performance Data

Definitions:

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

TEST CONDITIONS: VDD = +3.25V, IDD = 82mA @ Temperature = -45°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
26000.00	22.68	59.46	-7.88	-7.84	31.19	0.98	20.50	11.90	1.81
26500.00	22.56	59.28	-7.67	-8.31	31.44	1.00	21.22	11.90	1.89
27000.00	22.57	59.26	-7.69	-8.85	32.19	1.02	20.77	11.78	1.85
27400.00	22.63	58.48	-8.00	-9.32	30.13	1.03	20.21	11.90	1.84
27800.00	22.59	59.62	-8.13	-9.52	35.05	1.03	21.06	11.98	1.86
28200.00	22.47	59.52	-8.00	-9.75	35.22	1.04	21.20	11.77	1.89
28600.00	22.35	60.45	-7.99	-9.53	39.48	1.03	20.53	11.58	1.93
29000.00	22.36	59.60	-8.07	-10.17	36.67	1.05	21.05	11.64	1.90
29400.00	22.41	58.89	-8.58	-10.71	34.76	1.04	20.85	11.67	1.91
29800.00	22.44	59.31	-9.19	-11.37	37.68	1.04	20.64	11.89	1.93
30200.00	22.58	59.70	-9.85	-12.09	40.19	1.04	20.08	12.08	1.91
30600.00	22.64	58.68	-10.27	-12.10	35.95	1.03	20.77	11.96	1.93
31000.00	22.68	58.98	-10.04	-11.51	36.65	1.02	20.00	12.02	1.95
31400.00	22.59	58.94	-9.26	-10.52	35.46	1.02	20.13	11.81	2.01
31800.00	22.59	57.93	-8.50	-9.82	30.45	1.02	19.76	11.57	2.06
32200.00	22.73	56.36	-7.97	-9.81	24.52	1.04	19.55	11.92	2.12
32600.00	22.98	54.89	-7.94	-9.92	20.20	1.04	20.01	12.26	2.15
33000.00	23.27	53.82	-8.22	-11.02	17.99	1.06	19.74	12.24	2.19
33400.00	23.54	52.45	-9.14	-12.49	15.76	1.05	20.19	12.43	2.15
33800.00	23.79	51.64	-10.36	-14.45	14.77	1.05	19.31	12.60	2.07
34200.00	23.80	51.11	-11.48	-15.13	14.30	1.03	20.22	12.48	2.01
34600.00	23.58	50.81	-11.72	-14.87	14.22	1.03	19.31	12.36	2.03
35000.00	23.22	50.82	11.32	-13.66	14.60	1.02	19.24	12.13	2.06
35400.00	22.80	50.61	-10.59	-12.64	14.63	1.03	19.91	12.30	2.12
35800.00	22.35	50.51	-10.14	-12.01	14.98	1.03	19.75	12.40	2.14
36200.00	22.04	50.44	10.26	-11.93	15.43	1.02	20.49	12.53	2.20
36600.00	21.74	50.42	-10.39	-12.67	16.21	1.03	20.40	12.61	2.19
37000.00	21.62	49.69	-10.77	-14.41	15.54	1.05	20.25	12.47	2.21
37400.00	21.49	49.89	-10.66	-16.19	16.30	1.06	20.01	12.45	2.24
37800.00	21.27	49.74	-10.05	-16.06	16.21	1.07	20.08	12.34	2.31
38200.00	20.93	49.69	-9.15	-14.30	16.12	1.08	19.87	12.34	2.42
38600.00	20.48	50.13	-8.27	-12.85	17.07	1.09	20.06	12.51	2.51
39000.00	20.01	50.50	-7.85	-11.54	18.19	1.09	20.32	12.34	2.57
39400.00	19.55	50.57	-7.72	-10.76	18.97	1.07	20.28	12.37	2.56
39800.00	19.25	50.17	-7.93	-10.74	19.01	1.07	19.48	12.21	2.54
40200.00	19.15	49.37	-8.25	-11.18	18.06	1.06	19.88	11.97	2.58
40600.00	19.08	49.03	-8.38	-11.31	17.76	1.06	19.44	12.03	2.46
41000.00	19.01	48.56	-7.91	-11.39	16.75	1.08	20.13	11.87	2.44
41400.00	18.68	49.06	-7.02	-10.92	17.38	1.10	19.86	11.84	2.55
41800.00	18.30	49.34	-6.26	-10.43	17.70	1.12	20.82	12.08	2.54
42200.00	17.96	48.50	-5.88	-10.41	16.31	1.14	19.77	12.26	2.56
42600.00	17.74	48.30	-5.87	-10.66	16.56	1.15	19.72	12.72	2.52
43000.00	17.75	47.70	-6.19	-11.85	16.28	1.15	19.67	12.36	2.48
43500.00	17.64	47.19	-6.36	-13.23	16.08	1.17	19.19	11.72	2.39
44000.00	17.18	47.30	-5.70	-13.39	16.26	1.21	19.24	11.55	2.50
44500.00	16.50	47.28	-4.71	-11.73	15.60	1.24	19.06	11.45	2.73
45000.00	15.83	47.50	-4.20	-10.11	15.81	1.24	19.98	11.20	3.02

Typical Performance Data

Definitions:

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

TEST CONDITIONS: VDD = +2.75V, IDD = 82mA @ Temperature = +85°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
26000.00	20.75	59.52	-9.00	-9.19	45.50	0.99	19.12	10.11	3.23
26500.00	20.56	59.19	-8.58	-9.23	44.39	1.00	19.77	10.10	3.30
27000.00	20.46	58.82	-8.31	-9.41	42.93	1.02	19.70	10.01	3.33
27400.00	20.46	58.55	-8.35	-9.74	42.15	1.03	19.00	10.03	3.36
27800.00	20.48	60.10	-8.53	-10.22	51.44	1.03	19.14	10.18	3.35
28200.00	20.54	58.90	-8.84	-10.83	45.85	1.04	20.73	10.17	3.34
28600.00	20.63	59.19	-9.28	-11.44	48.35	1.04	19.49	10.07	3.35
29000.00	20.72	58.52	-9.80	-12.14	45.76	1.04	20.16	10.15	3.27
29400.00	20.76	57.88	-10.36	-12.69	43.25	1.03	19.49	10.19	3.33
29800.00	20.75	58.28	-10.63	-12.96	46.00	1.03	19.77	10.23	3.31
30200.00	20.75	58.32	-10.66	-12.89	46.26	1.03	19.40	10.29	3.42
30600.00	20.78	57.30	-10.49	-12.70	40.94	1.03	19.63	10.21	3.44
31000.00	20.88	57.02	-10.14	-12.37	38.86	1.03	19.26	10.32	3.47
31400.00	20.97	56.32	-9.70	-12.00	34.89	1.04	18.95	10.16	3.52
31800.00	21.17	55.68	-9.31	-12.00	31.60	1.05	18.42	9.90	3.53
32200.00	21.35	54.96	-9.16	-12.27	28.50	1.05	18.65	10.24	3.59
32600.00	21.59	53.72	-9.31	-12.59	24.40	1.05	19.21	10.56	3.59
33000.00	21.74	53.19	-9.65	-13.27	23.03	1.05	19.13	10.50	3.61
33400.00	21.88	52.32	-10.29	-13.97	21.07	1.05	19.53	10.60	3.57
33800.00	21.95	51.68	-11.07	-14.66	19.88	1.04	19.59	10.67	3.55
34200.00	21.95	51.08	-12.06	-15.17	19.02	1.03	19.13	10.64	3.50
34600.00	21.81	50.87	-12.83	-15.37	19.14	1.02	18.58	10.67	3.51
35000.00	21.61	50.57	-13.14	-15.21	19.10	1.02	19.32	10.49	3.48
35400.00	21.35	50.37	-12.90	-14.85	19.22	1.02	19.39	10.59	3.57
35800.00	21.02	50.50	-12.21	-14.50	20.08	1.02	19.60	10.67	3.62
36200.00	20.73	50.71	-11.47	-14.04	21.03	1.03	20.27	10.80	3.68
36600.00	20.34	50.42	-10.73	-13.87	20.83	1.04	20.94	10.77	3.73
37000.00	20.06	50.54	-10.12	-13.81	21.56	1.05	20.01	10.54	3.83
37400.00	19.82	50.64	-9.68	-13.71	22.15	1.06	19.66	10.61	3.87
37800.00	19.53	50.62	-9.24	-13.51	22.54	1.07	19.86	10.63	3.92
38200.00	19.26	50.65	-9.01	-13.04	23.17	1.07	20.61	10.68	3.97
38600.00	18.90	50.73	-8.84	-12.63	24.17	1.07	19.66	10.76	4.02
39000.00	18.61	50.50	-8.86	-12.15	24.46	1.06	19.66	10.50	4.02
39400.00	18.31	50.47	-9.02	-11.78	25.37	1.05	20.79	10.47	4.05
39800.00	18.12	50.01	-9.14	-11.62	24.79	1.05	19.79	10.40	4.00
40200.00	18.00	50.18	-9.10	-11.69	25.64	1.05	19.57	10.25	4.03
40600.00	17.84	49.94	-8.86	-11.89	25.25	1.06	20.00	10.46	4.03
41000.00	17.68	50.12	-8.40	-12.08	25.97	1.07	19.89	10.43	4.01
41400.00	17.42	50.10	-7.85	-12.36	26.19	1.09	20.60	10.47	4.07
41800.00	17.13	51.04	-7.26	-12.70	29.62	1.12	20.53	10.59	4.03
42200.00	16.80	50.88	-6.89	-12.77	29.78	1.14	19.93	10.61	4.12
42600.00	16.39	49.95	-6.58	-12.68	27.49	1.15	19.68	10.87	4.16
43000.00	16.09	49.77	-6.42	-12.70	27.72	1.16	19.74	10.46	4.22
43500.00	15.78	49.24	-6.37	-12.46	27.02	1.16	19.46	9.93	4.16
44000.00	15.41	49.25	-6.31	-12.29	28.07	1.16	19.42	9.90	4.19
44500.00	15.07	48.49	-6.12	-12.07	26.41	1.16	19.60	9.80	4.37
45000.00	14.66	48.18	-6.01	-11.84	26.56	1.17	20.59	9.51	4.31

Typical Performance Data

Definitions:

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

TEST CONDITIONS: VDD = +3V, IDD = 83mA @ Temperature = +85°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
26000.00	20.74	60.01	-8.99	-9.27	48.30	0.99	19.40	10.67	3.28
26500.00	20.56	59.27	-8.58	-9.31	44.91	1.01	19.78	10.64	3.35
27000.00	20.47	59.63	-8.32	-9.49	47.28	1.02	19.69	10.57	3.32
27400.00	20.47	59.22	-8.36	-9.84	45.68	1.03	19.08	10.60	3.37
27800.00	20.49	58.89	-8.52	-10.32	44.82	1.04	19.29	10.79	3.35
28200.00	20.55	58.72	-8.84	-10.94	45.00	1.04	19.99	10.70	3.36
28600.00	20.64	58.56	-9.28	-11.56	45.02	1.04	19.27	10.64	3.38
29000.00	20.72	58.63	-9.81	-12.27	46.40	1.04	19.70	10.69	3.39
29400.00	20.76	58.49	-10.36	-12.82	46.52	1.04	18.98	10.64	3.36
29800.00	20.75	57.96	-10.62	-13.09	44.40	1.03	19.13	10.83	3.40
30200.00	20.74	58.47	-10.65	-13.02	47.16	1.03	19.11	10.92	3.45
30600.00	20.76	57.74	-10.48	-12.81	43.17	1.03	19.43	10.83	3.45
31000.00	20.85	57.77	-10.12	-12.48	42.53	1.04	19.17	10.94	3.53
31400.00	20.93	56.03	-9.68	-12.09	33.91	1.04	18.71	10.80	3.54
31800.00	21.12	56.12	-9.28	-12.09	33.44	1.05	18.45	10.47	3.57
32200.00	21.30	55.28	-9.13	-12.35	29.72	1.06	19.56	10.71	3.64
32600.00	21.53	54.08	-9.27	-12.69	25.60	1.06	18.61	11.02	3.61
33000.00	21.68	53.41	-9.61	-13.39	23.79	1.06	18.58	10.99	3.65
33400.00	21.80	52.42	-10.23	-14.10	21.49	1.05	18.84	11.07	3.61
33800.00	21.87	51.67	-11.01	-14.82	20.04	1.04	18.85	11.16	3.58
34200.00	21.85	51.25	-11.99	-15.35	19.63	1.03	18.80	11.14	3.54
34600.00	21.70	51.16	-12.76	-15.55	20.04	1.02	19.12	11.17	3.55
35000.00	21.50	51.14	-13.07	-15.40	20.67	1.02	19.34	11.04	3.55
35400.00	21.23	50.82	-12.83	-15.03	20.51	1.02	18.97	11.13	3.61
35800.00	20.90	50.40	-12.15	-14.67	20.13	1.02	19.25	11.18	3.64
36200.00	20.61	50.73	-11.41	-14.21	21.38	1.03	20.12	11.30	3.72
36600.00	20.22	50.80	-10.68	-14.03	22.06	1.04	19.90	11.34	3.83
37000.00	19.95	50.56	-10.08	-13.99	21.90	1.06	20.22	11.18	3.89
37400.00	19.72	50.64	-9.66	-13.90	22.45	1.06	19.39	11.25	3.94
37800.00	19.45	51.22	-9.23	-13.72	24.44	1.07	19.31	11.21	3.99
38200.00	19.19	50.97	-9.00	-13.24	24.28	1.07	19.46	11.26	4.04
38600.00	18.84	50.97	-8.83	-12.85	25.09	1.07	19.91	11.38	4.11
39000.00	18.56	50.88	-8.83	-12.38	25.74	1.07	20.10	11.14	4.10
39400.00	18.27	50.95	-8.99	-12.01	26.99	1.06	19.63	11.07	4.08
39800.00	18.08	50.02	-9.12	-11.86	25.00	1.05	19.64	11.04	4.06
40200.00	17.97	49.96	-9.10	-11.97	25.18	1.05	19.23	10.87	4.07
40600.00	17.83	49.88	-8.88	-12.19	25.26	1.06	19.55	11.14	4.05
41000.00	17.69	50.41	-8.43	-12.42	27.00	1.08	20.46	11.04	4.04
41400.00	17.45	50.81	-7.88	-12.73	28.48	1.10	20.20	11.08	4.08
41800.00	17.18	50.82	-7.27	-13.08	28.87	1.13	19.61	11.15	4.12
42200.00	16.88	50.59	-6.90	-13.16	28.71	1.14	20.31	11.22	4.10
42600.00	16.49	50.15	-6.57	-13.08	27.95	1.16	20.15	11.44	4.23
43000.00	16.21	49.68	-6.39	-13.11	27.15	1.17	19.51	11.10	4.25
43500.00	15.93	49.50	-6.32	-12.86	27.43	1.17	19.47	10.57	4.18
44000.00	15.58	49.17	-6.24	-12.69	27.29	1.17	19.40	10.50	4.28
44500.00	15.26	48.67	-6.05	-12.43	26.37	1.17	19.41	10.40	4.08
45000.00	14.86	48.24	-5.92	-12.16	26.06	1.18	19.44	10.14	4.35

Typical Performance Data

Definitions:

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

TEST CONDITIONS: VDD = +3.25V, IDD = 84mA @ Temperature = +85°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
26000.00	20.71	59.72	-8.99	-9.34	46.97	1.00	19.05	11.06	3.30
26500.00	20.53	59.59	-8.58	-9.39	46.84	1.01	19.60	11.01	3.37
27000.00	20.45	59.33	-8.32	-9.58	45.89	1.02	19.62	11.00	3.37
27400.00	20.45	58.22	-8.36	-9.94	40.87	1.03	19.49	11.03	3.44
27800.00	20.47	58.37	-8.53	-10.42	42.37	1.04	19.31	11.22	3.39
28200.00	20.54	59.26	-8.84	-11.05	48.05	1.04	19.48	11.05	3.40
28600.00	20.63	59.54	-9.29	-11.68	50.62	1.04	19.17	11.02	3.42
29000.00	20.71	58.70	-9.81	-12.39	46.96	1.04	19.74	11.07	3.36
29400.00	20.74	59.05	-10.35	-12.95	49.77	1.04	19.30	10.92	3.39
29800.00	20.73	58.51	-10.61	-13.21	47.48	1.04	19.00	11.22	3.48
30200.00	20.72	58.70	-10.63	-13.14	48.62	1.03	19.30	11.39	3.52
30600.00	20.72	57.89	-10.45	-12.92	44.15	1.03	19.21	11.29	3.49
31000.00	20.80	57.99	-10.09	-12.58	43.92	1.04	19.22	11.39	3.56
31400.00	20.87	56.51	-9.65	-12.18	36.15	1.04	19.00	11.27	3.56
31800.00	21.06	56.48	-9.25	-12.18	35.11	1.05	18.54	10.94	3.64
32200.00	21.23	55.22	-9.10	-12.44	29.78	1.06	18.98	11.17	3.68
32600.00	21.45	54.04	-9.24	-12.78	25.73	1.06	18.93	11.41	3.64
33000.00	21.60	53.44	-9.57	-13.51	24.10	1.06	18.68	11.35	3.70
33400.00	21.71	53.18	-10.19	-14.23	23.71	1.05	18.12	11.47	3.66
33800.00	21.76	52.40	-10.95	-14.97	22.08	1.04	19.21	11.59	3.62
34200.00	21.73	51.51	-11.93	-15.53	20.49	1.03	19.02	11.57	3.58
34600.00	21.57	51.47	-12.69	-15.74	21.08	1.02	18.64	11.59	3.57
35000.00	21.37	51.06	-13.00	-15.59	20.81	1.02	19.54	11.48	3.60
35400.00	21.09	51.05	-12.77	-15.22	21.42	1.02	19.77	11.60	3.63
35800.00	20.76	50.93	-12.09	-14.84	21.76	1.03	19.19	11.63	3.68
36200.00	20.47	50.95	-11.35	-14.36	22.28	1.03	20.05	11.70	3.76
36600.00	20.09	51.12	-10.62	-14.20	23.26	1.05	19.43	11.82	3.83
37000.00	19.83	50.93	-10.04	-14.17	23.18	1.06	19.70	11.68	3.89
37400.00	19.60	51.19	-9.63	-14.09	24.28	1.07	19.90	11.74	4.01
37800.00	19.34	51.25	-9.21	-13.92	24.87	1.08	19.17	11.74	4.04
38200.00	19.10	51.24	-9.00	-13.46	25.38	1.08	20.17	11.78	4.08
38600.00	18.77	51.14	-8.83	-13.08	25.85	1.08	19.54	11.92	4.09
39000.00	18.50	50.96	-8.82	-12.60	26.23	1.07	19.25	11.65	4.12
39400.00	18.21	50.64	-8.96	-12.25	26.27	1.06	19.99	11.59	4.12
39800.00	18.03	50.52	-9.09	-12.11	26.71	1.06	19.60	11.52	4.11
40200.00	17.93	50.25	-9.09	-12.25	26.29	1.06	19.59	11.40	4.10
40600.00	17.80	50.18	-8.89	-12.50	26.35	1.07	20.30	11.62	4.09
41000.00	17.68	49.98	-8.45	-12.75	25.86	1.08	19.57	11.51	4.07
41400.00	17.46	50.71	-7.90	-13.10	28.30	1.10	20.14	11.55	4.17
41800.00	17.21	51.07	-7.29	-13.47	29.74	1.13	19.89	11.62	4.14
42200.00	16.93	50.78	-6.90	-13.56	29.29	1.15	20.17	11.72	4.23
42600.00	16.56	50.10	-6.56	-13.48	27.65	1.16	19.86	11.96	4.28
43000.00	16.31	49.52	-6.37	-13.52	26.43	1.17	20.57	11.57	4.26
43500.00	16.06	49.12	-6.27	-13.26	25.90	1.17	19.35	11.03	4.23
44000.00	15.73	49.19	-6.18	-13.07	26.87	1.18	19.42	10.98	4.31
44500.00	15.43	48.32	-5.98	-12.78	24.82	1.18	19.77	10.75	4.25
45000.00	15.04	48.39	-5.84	-12.48	25.90	1.19	20.04	10.57	4.46