

Typical Performance Data

NOTE: Use PDF Bookmarks to view DATA at required conditions

Definitions:

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

TEST CONDITIONS: Id =50mA, Vd = 4.09V, @ Temperature = +25degC

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)
10.0	8.58	14.86	23.90	34.36	1.27	0.77	30.35	13.85	5.19
50.0	8.60	15.18	23.90	45.16	1.30	0.78	34.10	14.41	5.12
100.0	8.58	15.13	24.20	44.85	1.29	0.78	31.86	14.28	5.09
200.0	8.58	15.11	24.17	44.04	1.29	0.78	32.65	14.11	5.05
300.0	8.56	15.13	24.16	44.51	1.30	0.78	32.66	14.17	5.17
400.0	8.56	15.13	24.08	45.51	1.30	0.78	32.56	14.18	5.25
500.0	8.56	15.12	24.19	46.82	1.30	0.78	32.66	14.15	5.24
600.0	8.55	15.12	24.16	46.20	1.30	0.78	32.08	14.20	5.28
700.0	8.55	15.13	24.06	45.25	1.30	0.78	32.78	14.15	5.27
800.0	8.55	15.13	24.07	44.73	1.30	0.78	31.85	14.15	5.22
1000.0	8.54	15.11	24.00	42.16	1.30	0.78	30.60	14.04	5.22
1250.0	8.53	15.11	23.88	37.34	1.30	0.78	32.43	14.02	5.26
1500.0	8.51	15.09	23.71	33.65	1.30	0.78	30.98	14.04	5.23
1750.0	8.49	15.11	23.21	31.23	1.30	0.79	30.73	14.07	5.20
2000.0	8.48	15.10	22.66	29.01	1.30	0.79	30.04	13.96	5.31
2250.0	8.46	15.07	21.94	26.95	1.30	0.79	29.57	13.88	5.30
2500.0	8.42	15.08	21.29	25.69	1.30	0.79	28.65	13.78	5.22
2750.0	8.41	15.04	20.70	24.31	1.29	0.79	28.13	13.70	5.26
3000.0	8.38	15.04	20.36	23.43	1.30	0.79	27.77	13.48	5.24
3250.0	8.33	15.06	19.91	23.03	1.30	0.79	27.08	13.29	5.22
3500.0	8.31	15.01	19.89	22.46	1.30	0.79	26.53	12.97	5.22
3750.0	8.25	15.03	19.74	22.73	1.31	0.79	25.85	12.71	5.26
4000.0	8.24	14.96	20.22	22.44	1.30	0.79	25.63	12.36	5.19
4250.0	8.25	14.84	20.76	21.83	1.29	0.78	24.85	11.92	5.17
4500.0	8.20	14.78	21.88	21.73	1.29	0.78	24.47	11.74	5.23
4750.0	8.09	14.87	22.63	22.05	1.31	0.79	24.28	11.55	5.27
5000.0	8.04	14.74	24.84	20.67	1.30	0.78	23.38	11.01	5.20
5250.0	7.97	14.82	25.70	20.54	1.31	0.79	23.09	10.76	5.21
5500.0	7.89	14.87	26.43	19.95	1.33	0.79	23.22	10.72	5.05
5750.0	7.76	14.58	36.41	17.26	1.30	0.77	22.61	10.21	5.21
6000.0	7.81	14.85	31.83	18.06	1.33	0.79	22.16	10.01	5.29
6250.0	7.79	14.63	44.33	16.23	1.30	0.77	21.97	9.67	5.20
6500.0	7.64	14.77	35.46	16.20	1.33	0.78	21.54	9.39	5.27
6750.0	7.29	14.73	27.51	15.51	1.36	0.79	20.88	8.99	5.36
7000.0	7.55	14.46	30.39	14.47	1.30	0.76	20.93	8.85	5.30
7250.0	7.69	14.54	33.63	14.49	1.29	0.76	20.79	8.65	5.24
7500.0	7.72	14.53	31.27	14.38	1.28	0.75	20.04	8.25	5.17
7750.0	7.73	14.40	27.85	13.81	1.27	0.74	19.86	8.06	5.30
8000.0	7.74	14.28	24.81	13.21	1.25	0.73	19.82	7.92	5.19

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: Id =40mA, Vd = 3.91V, @ Temperature = +25degC

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)
10.0	8.19	14.93	17.57	22.10	1.30	0.79	28.03	12.07	5.26
50.0	8.44	14.98	22.87	35.73	1.29	0.78	29.11	12.14	5.08
100.0	8.42	15.01	23.29	36.69	1.30	0.78	28.22	12.11	5.07
200.0	8.42	15.04	23.18	36.89	1.30	0.79	28.62	11.83	4.99
300.0	8.41	15.03	23.22	36.70	1.30	0.79	28.44	11.93	5.19
400.0	8.40	15.03	23.20	36.28	1.30	0.79	28.71	12.08	5.21
500.0	8.40	15.02	23.22	37.25	1.30	0.79	29.05	11.96	5.15
600.0	8.40	15.02	23.26	37.67	1.30	0.79	29.13	12.10	5.22
700.0	8.40	15.02	23.10	37.81	1.30	0.79	29.12	12.06	5.24
800.0	8.40	15.02	23.13	38.03	1.30	0.79	28.68	12.08	5.15
1000.0	8.38	15.01	23.08	38.34	1.30	0.79	28.01	11.94	5.21
1250.0	8.38	15.02	22.88	36.21	1.30	0.79	28.67	11.87	5.18
1500.0	8.37	15.01	22.68	33.27	1.30	0.79	28.43	11.94	5.19
1750.0	8.35	14.99	22.32	30.76	1.30	0.79	28.16	12.06	5.21
2000.0	8.33	14.98	21.81	28.47	1.30	0.79	27.80	11.87	5.22
2250.0	8.32	14.98	21.14	26.31	1.30	0.79	27.23	11.79	5.22
2500.0	8.29	14.97	20.57	24.96	1.30	0.79	27.19	11.74	5.22
2750.0	8.28	14.94	19.99	23.70	1.30	0.79	26.73	11.88	5.27
3000.0	8.25	14.93	19.68	22.90	1.30	0.79	26.41	11.83	5.22
3250.0	8.21	14.96	19.34	22.58	1.30	0.79	25.64	11.72	5.11
3500.0	8.19	14.91	19.30	22.15	1.30	0.79	25.29	11.59	5.19
3750.0	8.14	14.93	19.12	22.39	1.30	0.79	24.66	11.47	5.16
4000.0	8.13	14.85	19.56	22.17	1.30	0.79	24.34	11.13	5.16
4250.0	8.15	14.72	20.19	21.69	1.28	0.78	23.71	10.83	5.08
4500.0	8.11	14.67	21.12	21.56	1.28	0.78	23.60	10.65	5.15
4750.0	7.99	14.73	21.90	21.91	1.30	0.79	23.23	10.43	5.20
5000.0	7.95	14.62	24.23	20.51	1.29	0.78	22.37	10.03	5.18
5250.0	7.88	14.70	25.07	20.43	1.31	0.79	21.96	9.78	5.17
5500.0	7.79	14.77	25.84	19.90	1.32	0.79	22.13	9.66	5.01
5750.0	7.69	14.46	38.53	17.25	1.30	0.77	21.44	9.22	5.10
6000.0	7.73	14.74	31.69	18.05	1.32	0.79	21.04	9.02	5.07
6250.0	7.71	14.50	47.19	16.23	1.29	0.77	21.02	8.71	5.08
6500.0	7.55	14.63	43.40	16.22	1.32	0.78	20.49	8.42	5.20
6750.0	7.18	14.58	29.83	15.40	1.36	0.79	19.85	8.00	5.26
7000.0	7.47	14.36	31.00	14.49	1.29	0.76	19.87	7.84	5.17
7250.0	7.60	14.43	32.34	14.47	1.29	0.76	19.69	7.64	5.11
7500.0	7.63	14.41	29.97	14.38	1.28	0.75	19.03	7.29	5.11
7750.0	7.64	14.27	26.57	13.77	1.26	0.74	18.82	7.10	5.19
8000.0	7.64	14.15	23.69	13.21	1.24	0.73	18.78	6.97	5.14

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: Id =60mA, Vd = 4.27V, @ Temperature = +25degC

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)
10.0	8.68	15.00	25.75	35.45	1.27	0.77	30.93	14.54	5.27
50.0	8.67	15.24	24.59	55.01	1.30	0.78	38.32	15.64	5.17
100.0	8.66	15.16	24.91	59.68	1.29	0.78	34.35	15.41	5.16
200.0	8.65	15.16	24.80	60.22	1.29	0.78	35.26	15.40	5.17
300.0	8.64	15.15	24.84	59.73	1.29	0.78	33.72	15.45	5.26
400.0	8.64	15.16	24.76	68.74	1.29	0.78	35.73	15.33	5.32
500.0	8.63	15.16	24.81	52.38	1.29	0.78	33.10	15.34	5.35
600.0	8.63	15.15	24.82	50.05	1.29	0.78	36.85	15.33	5.36
700.0	8.63	15.18	24.69	46.89	1.29	0.78	34.42	15.24	5.36
800.0	8.63	15.17	24.74	44.71	1.29	0.78	33.72	15.21	5.23
1000.0	8.61	15.15	24.68	41.08	1.29	0.78	32.21	15.17	5.31
1250.0	8.60	15.13	24.53	36.43	1.29	0.78	32.47	15.18	5.34
1500.0	8.59	15.14	24.36	33.40	1.29	0.78	31.93	15.12	5.30
1750.0	8.57	15.13	23.80	31.17	1.29	0.78	31.70	15.04	5.29
2000.0	8.55	15.14	23.26	29.09	1.30	0.78	30.72	14.98	5.32
2250.0	8.52	15.11	22.49	27.15	1.29	0.78	30.52	14.90	5.39
2500.0	8.49	15.13	21.79	25.92	1.30	0.79	29.90	14.70	5.36
2750.0	8.48	15.09	21.15	24.53	1.29	0.79	28.91	14.52	5.36
3000.0	8.45	15.07	20.80	23.74	1.29	0.79	28.74	14.22	5.33
3250.0	8.40	15.08	20.30	23.37	1.30	0.79	28.06	14.01	5.25
3500.0	8.37	15.04	20.29	22.76	1.30	0.79	27.20	13.72	5.36
3750.0	8.31	15.08	20.12	23.09	1.31	0.79	26.58	13.49	5.30
4000.0	8.30	15.00	20.58	22.72	1.30	0.79	26.12	13.18	5.28
4250.0	8.31	14.88	21.14	22.10	1.29	0.78	25.38	12.69	5.23
4500.0	8.26	14.84	22.30	21.89	1.29	0.78	25.13	12.55	5.34
4750.0	8.14	14.92	22.97	22.23	1.31	0.79	24.99	12.39	5.37
5000.0	8.10	14.78	25.29	20.69	1.30	0.78	24.19	11.80	5.33
5250.0	8.02	14.88	25.87	20.62	1.32	0.79	23.86	11.57	5.32
5500.0	7.93	14.95	26.16	20.07	1.33	0.79	24.03	11.60	5.26
5750.0	7.84	14.63	34.25	17.31	1.30	0.77	23.27	11.01	5.27
6000.0	7.85	14.93	30.44	18.19	1.33	0.79	22.84	10.80	5.29
6250.0	7.85	14.69	37.23	16.32	1.30	0.77	22.70	10.50	5.30
6500.0	7.68	14.81	31.84	16.27	1.33	0.78	22.25	10.25	5.43
6750.0	7.30	14.73	25.70	15.34	1.36	0.79	21.59	9.78	5.48
7000.0	7.61	14.54	29.63	14.55	1.30	0.76	21.61	9.61	5.32
7250.0	7.74	14.61	33.28	14.53	1.29	0.76	21.47	9.43	5.38
7500.0	7.78	14.58	31.97	14.48	1.29	0.75	20.83	9.05	5.30
7750.0	7.80	14.44	28.54	13.87	1.27	0.74	20.51	8.85	5.43
8000.0	7.81	14.33	25.73	13.28	1.25	0.73	20.52	8.71	5.38

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: Id =50mA, Vd = 4.3V, @ Temperature = -45degC

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)
10.0	8.68	15.24	24.79	42.97	1.30	0.78	28.46	13.85	4.42
50.0	8.67	15.23	23.29	41.88	1.29	0.78	35.06	14.46	4.36
100.0	8.66	15.15	22.81	36.74	1.29	0.78	32.61	14.38	4.32
200.0	8.66	15.15	22.55	35.51	1.29	0.78	32.83	14.19	4.24
300.0	8.64	15.13	23.74	42.99	1.29	0.78	33.28	14.28	4.46
400.0	8.66	15.13	24.50	55.14	1.29	0.78	31.95	14.36	4.44
500.0	8.66	15.13	24.38	51.94	1.29	0.78	32.77	14.33	4.44
600.0	8.66	15.11	24.18	48.53	1.28	0.78	33.19	14.37	4.50
700.0	8.66	15.11	23.90	46.71	1.28	0.78	32.66	14.34	4.50
800.0	8.66	15.10	23.89	46.57	1.28	0.78	32.56	14.35	4.42
1000.0	8.65	15.09	23.11	41.22	1.28	0.78	32.23	14.24	4.49
1250.0	8.65	15.08	23.59	39.86	1.28	0.78	32.42	14.23	4.47
1500.0	8.64	15.06	23.88	35.14	1.28	0.78	32.18	14.28	4.44
1750.0	8.63	15.03	23.46	32.40	1.28	0.78	32.10	14.35	4.40
2000.0	8.62	15.03	23.06	30.41	1.28	0.78	31.44	14.23	4.48
2250.0	8.60	15.01	22.92	27.73	1.28	0.78	31.03	14.17	4.48
2500.0	8.57	15.01	22.20	25.84	1.28	0.78	30.46	14.10	4.42
2750.0	8.56	14.95	21.22	24.18	1.27	0.77	29.44	14.12	4.46
3000.0	8.53	14.94	20.45	23.95	1.27	0.77	29.74	14.00	4.47
3250.0	8.49	14.95	19.90	23.78	1.28	0.78	28.58	13.87	4.30
3500.0	8.47	14.90	20.10	22.78	1.27	0.77	27.65	13.64	4.47
3750.0	8.41	14.91	19.74	23.10	1.28	0.78	27.14	13.43	4.40
4000.0	8.40	14.84	19.91	22.88	1.27	0.78	26.89	13.11	4.34
4250.0	8.41	14.72	20.42	22.50	1.26	0.77	26.18	12.67	4.32
4500.0	8.38	14.66	21.68	21.97	1.26	0.76	26.19	12.49	4.45
4750.0	8.26	14.73	22.03	22.79	1.28	0.78	25.61	12.31	4.42
5000.0	8.22	14.66	23.93	21.86	1.28	0.77	24.86	11.89	4.38
5250.0	8.19	14.60	26.21	20.49	1.27	0.77	24.47	11.55	4.42
5500.0	8.10	14.67	27.25	19.73	1.29	0.77	24.60	11.52	4.24
5750.0	7.83	14.64	28.58	18.15	1.31	0.78	24.00	10.99	4.46
6000.0	8.01	14.65	30.77	18.12	1.29	0.77	23.59	10.80	4.38
6250.0	8.00	14.43	33.14	16.11	1.26	0.75	23.31	10.55	4.37
6500.0	7.91	14.55	32.52	16.12	1.28	0.76	22.90	10.26	4.36
6750.0	7.74	14.59	27.76	15.69	1.30	0.76	22.10	9.83	4.43
7000.0	7.68	14.30	26.30	14.29	1.27	0.74	22.17	9.69	4.39
7250.0	7.89	14.40	29.65	14.43	1.26	0.74	22.03	9.50	4.41
7500.0	7.94	14.38	29.33	14.25	1.25	0.73	21.20	9.11	4.35
7750.0	7.91	14.22	27.35	13.68	1.24	0.72	21.20	8.96	4.44
8000.0	8.02	14.19	26.67	13.24	1.22	0.70	21.25	8.86	4.39

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: Id =40mA, Vd = 4.11V, @ Temperature = -45degC

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)
10.0	8.38	17.67	18.55	23.14	1.59	0.90	28.25	12.14	4.43
50.0	8.54	15.16	22.59	36.33	1.30	0.79	29.81	12.07	4.30
100.0	8.52	15.06	22.15	33.31	1.29	0.78	29.33	11.93	4.27
200.0	8.52	15.06	21.89	32.56	1.29	0.78	29.46	11.64	4.22
300.0	8.50	15.00	22.96	37.18	1.29	0.78	29.16	11.73	4.34
400.0	8.53	15.04	23.68	42.09	1.29	0.78	30.68	11.97	4.38
500.0	8.52	15.05	23.47	41.91	1.29	0.78	29.46	11.81	4.45
600.0	8.53	15.04	23.42	40.36	1.29	0.78	29.46	11.92	4.44
700.0	8.53	15.03	23.13	40.16	1.29	0.78	29.84	11.93	4.46
800.0	8.53	15.03	23.09	40.25	1.29	0.78	30.08	11.97	4.32
1000.0	8.53	15.01	22.42	36.87	1.29	0.78	29.08	11.78	4.37
1250.0	8.52	14.99	22.77	39.44	1.29	0.78	29.58	11.75	4.40
1500.0	8.52	14.98	22.99	35.18	1.28	0.78	29.02	11.86	4.37
1750.0	8.51	14.96	22.72	32.12	1.28	0.78	29.25	12.00	4.38
2000.0	8.49	14.95	22.34	30.04	1.28	0.78	29.03	11.82	4.42
2250.0	8.48	14.91	22.15	27.40	1.28	0.78	28.73	11.80	4.43
2500.0	8.45	14.94	21.56	25.52	1.28	0.78	28.29	11.78	4.37
2750.0	8.44	14.89	20.66	23.82	1.28	0.78	27.53	11.91	4.39
3000.0	8.42	14.86	19.91	23.55	1.27	0.78	27.64	11.97	4.38
3250.0	8.38	14.86	19.45	23.35	1.28	0.78	26.90	11.98	4.30
3500.0	8.37	14.81	19.58	22.50	1.27	0.78	26.52	11.92	4.38
3750.0	8.31	14.82	19.22	22.76	1.28	0.78	26.38	11.99	4.33
4000.0	8.31	14.75	19.43	22.64	1.27	0.78	25.84	11.71	4.29
4250.0	8.32	14.63	20.02	22.27	1.26	0.77	25.28	11.53	4.25
4500.0	8.29	14.56	21.15	21.68	1.26	0.76	25.03	11.37	4.33
4750.0	8.17	14.62	21.50	22.62	1.28	0.78	24.58	11.14	4.31
5000.0	8.13	14.57	23.46	21.82	1.28	0.77	23.98	10.89	4.37
5250.0	8.10	14.52	25.83	20.46	1.27	0.77	23.51	10.57	4.32
5500.0	8.02	14.58	27.28	19.66	1.28	0.77	23.48	10.51	4.18
5750.0	7.74	14.56	29.27	18.31	1.31	0.78	23.05	10.07	4.31
6000.0	7.93	14.57	32.12	18.15	1.29	0.77	22.66	9.88	4.28
6250.0	7.93	14.34	37.25	16.06	1.26	0.74	22.44	9.63	4.29
6500.0	7.85	14.44	37.23	16.07	1.28	0.75	21.96	9.37	4.30
6750.0	7.69	14.49	30.76	15.69	1.30	0.76	21.24	8.95	4.31
7000.0	7.60	14.21	27.82	14.23	1.27	0.74	21.21	8.77	4.28
7250.0	7.83	14.32	32.97	14.34	1.26	0.74	21.09	8.60	4.26
7500.0	7.89	14.30	32.64	14.12	1.25	0.73	20.37	8.26	4.30
7750.0	7.82	14.10	28.13	13.53	1.23	0.71	20.24	8.11	4.32
8000.0	7.95	14.09	26.77	13.13	1.22	0.70	20.32	7.98	4.30

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: Id =60mA, Vd = 4.48V, @ Temperature = -45degC

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)
10.0	8.70	15.07	24.04	45.47	1.28	0.77	32.59	15.01	4.51
50.0	8.74	15.16	23.95	46.09	1.28	0.78	35.13	15.90	4.40
100.0	8.72	15.19	23.23	40.25	1.29	0.78	35.49	15.74	4.36
200.0	8.72	15.19	23.02	38.42	1.29	0.78	37.62	15.66	4.35
300.0	8.70	15.15	24.30	46.96	1.28	0.78	33.98	15.74	4.50
400.0	8.72	15.16	25.09	44.83	1.28	0.78	35.95	15.68	4.51
500.0	8.72	15.16	24.91	44.92	1.28	0.78	36.73	15.69	4.50
600.0	8.72	15.16	24.76	45.64	1.28	0.78	33.91	15.70	4.54
700.0	8.72	15.15	24.46	46.35	1.28	0.78	35.24	15.63	4.58
800.0	8.73	15.14	24.46	45.16	1.28	0.78	35.87	15.64	4.48
1000.0	8.72	15.13	23.58	43.29	1.28	0.78	34.75	15.57	4.51
1250.0	8.71	15.11	24.08	38.28	1.28	0.78	33.43	15.57	4.50
1500.0	8.70	15.10	24.41	34.12	1.28	0.77	33.67	15.55	4.52
1750.0	8.69	15.09	23.99	31.90	1.28	0.78	32.55	15.55	4.50
2000.0	8.67	15.07	23.55	30.14	1.28	0.77	32.64	15.47	4.54
2250.0	8.66	15.03	23.40	27.60	1.27	0.77	32.20	15.40	4.57
2500.0	8.62	15.05	22.70	25.90	1.28	0.78	30.83	15.29	4.50
2750.0	8.61	15.01	21.68	24.37	1.27	0.77	30.20	15.17	4.50
3000.0	8.58	14.99	20.79	24.26	1.27	0.77	30.21	14.96	4.49
3250.0	8.54	14.99	20.29	24.09	1.28	0.78	29.28	14.74	4.43
3500.0	8.52	14.94	20.44	23.03	1.27	0.77	28.43	14.48	4.51
3750.0	8.45	14.98	20.06	23.42	1.28	0.78	27.91	14.23	4.46
4000.0	8.45	14.88	20.23	23.14	1.27	0.78	27.50	13.94	4.38
4250.0	8.45	14.77	20.73	22.71	1.26	0.77	26.73	13.45	4.40
4500.0	8.41	14.71	21.98	22.10	1.26	0.77	26.66	13.29	4.48
4750.0	8.29	14.78	22.29	22.90	1.28	0.78	26.58	13.14	4.77
5000.0	8.24	14.70	24.17	21.85	1.28	0.77	25.71	12.68	4.49
5250.0	8.22	14.66	26.13	20.61	1.28	0.77	25.08	12.28	4.49
5500.0	8.12	14.73	26.93	19.82	1.29	0.77	25.21	12.36	4.36
5750.0	7.86	14.64	27.89	17.86	1.30	0.77	24.60	11.81	4.48
6000.0	8.03	14.72	29.58	18.20	1.30	0.77	24.23	11.58	4.44
6250.0	8.02	14.50	31.01	16.24	1.27	0.75	23.90	11.34	4.48
6500.0	7.92	14.62	30.10	16.23	1.29	0.76	23.61	11.05	4.45
6750.0	7.74	14.65	26.26	15.76	1.31	0.77	22.84	10.57	4.50
7000.0	7.70	14.37	25.34	14.35	1.28	0.74	22.89	10.43	4.54
7250.0	7.91	14.47	28.01	14.52	1.27	0.74	22.66	10.31	4.47
7500.0	7.95	14.43	27.69	14.34	1.26	0.73	21.94	9.87	4.50
7750.0	7.94	14.28	26.64	13.75	1.24	0.72	21.97	9.77	4.53
8000.0	8.04	14.25	26.10	13.33	1.23	0.71	22.07	9.68	4.51

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: Id =50mA, Vd = 3.94V, @ Temperature = +85degC

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)
10.0	8.51	15.08	24.58	40.27	1.30	0.78	36.00	13.64	5.71
50.0	8.53	15.05	24.08	42.76	1.29	0.78	35.77	14.20	5.60
100.0	8.52	15.08	25.08	50.10	1.30	0.78	30.77	14.13	5.55
200.0	8.52	15.07	25.76	47.77	1.30	0.78	32.32	14.01	5.52
300.0	8.50	15.07	25.50	46.07	1.30	0.78	33.06	14.05	5.65
400.0	8.50	15.07	24.67	46.16	1.30	0.78	31.74	14.01	5.70
500.0	8.49	15.10	24.39	44.44	1.30	0.79	31.38	14.00	5.76
600.0	8.49	15.10	24.19	42.91	1.30	0.79	31.09	14.00	5.76
700.0	8.48	15.10	23.99	40.48	1.30	0.79	32.25	13.95	5.75
800.0	8.48	15.09	23.90	39.40	1.30	0.79	32.07	13.94	5.66
1000.0	8.46	15.09	23.49	37.94	1.30	0.79	30.70	13.84	5.74
1250.0	8.45	15.09	23.11	35.57	1.30	0.79	31.20	13.81	5.73
1500.0	8.44	15.08	22.92	33.16	1.30	0.79	30.66	13.80	5.69
1750.0	8.42	15.07	22.47	30.93	1.30	0.79	29.82	13.78	5.73
2000.0	8.40	15.09	22.13	28.75	1.30	0.79	29.48	13.68	5.76
2250.0	8.38	15.07	21.61	26.54	1.30	0.79	28.83	13.60	5.80
2500.0	8.35	15.08	21.04	25.11	1.30	0.79	27.67	13.41	5.73
2750.0	8.34	15.05	20.49	23.77	1.30	0.79	27.47	13.27	5.76
3000.0	8.31	15.03	20.09	22.84	1.30	0.79	27.19	12.98	5.66
3250.0	8.26	15.05	19.74	22.39	1.31	0.79	26.12	12.75	5.63
3500.0	8.25	15.00	19.85	21.89	1.30	0.79	25.56	12.40	5.81
3750.0	8.18	15.04	19.70	22.29	1.31	0.80	25.27	12.16	5.71
4000.0	8.17	14.94	20.16	22.07	1.30	0.79	24.71	11.80	5.73
4250.0	8.18	14.85	20.74	21.56	1.29	0.79	23.96	11.35	5.62
4500.0	8.13	14.82	21.92	21.52	1.30	0.79	23.66	11.16	5.76
4750.0	7.96	14.91	23.05	21.88	1.32	0.80	23.54	10.96	5.74
5000.0	8.00	14.74	24.84	20.16	1.30	0.78	22.47	10.42	5.73
5250.0	7.87	14.79	27.15	19.46	1.32	0.79	22.22	10.16	5.71
5500.0	7.75	14.90	27.86	19.07	1.34	0.80	22.40	10.10	5.65
5750.0	7.75	14.58	42.66	16.69	1.30	0.77	21.63	9.58	5.65
6000.0	7.59	14.74	40.14	16.52	1.33	0.78	21.27	9.28	5.73
6250.0	7.50	14.73	37.06	15.82	1.34	0.78	21.06	8.98	5.75
6500.0	7.34	14.61	30.70	15.02	1.34	0.78	20.78	8.70	5.77
6750.0	7.16	14.34	26.11	13.79	1.32	0.76	20.15	8.36	5.83
7000.0	7.43	14.48	28.52	14.19	1.31	0.76	20.05	8.15	5.75
7250.0	7.62	14.58	28.91	14.33	1.29	0.77	19.94	7.95	5.68
7500.0	7.52	14.45	26.49	14.04	1.29	0.76	19.40	7.60	5.70
7750.0	7.50	14.33	24.11	13.71	1.27	0.75	19.09	7.41	5.81
8000.0	7.57	14.26	22.43	13.31	1.25	0.75	18.94	7.16	5.74

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: Id =40mA, Vd = 3.78V, @ Temperature = +85degC

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)
10.0	8.42	15.13	24.12	34.47	1.31	0.79	26.83	11.89	5.66
50.0	8.40	14.98	23.21	35.43	1.30	0.78	28.79	12.21	5.55
100.0	8.39	15.00	23.80	38.71	1.30	0.79	28.14	12.17	5.53
200.0	8.38	14.99	24.52	44.81	1.30	0.78	28.10	11.96	5.48
300.0	8.37	15.01	24.28	40.28	1.30	0.79	28.25	11.98	5.61
400.0	8.37	15.00	23.63	37.15	1.30	0.79	28.35	12.09	5.68
500.0	8.36	15.00	23.24	36.56	1.30	0.79	27.86	12.02	5.62
600.0	8.36	15.00	23.13	36.09	1.30	0.79	28.59	12.10	5.72
700.0	8.35	15.01	22.96	35.59	1.30	0.79	28.62	12.06	5.72
800.0	8.35	15.01	22.91	34.87	1.30	0.79	28.50	12.09	5.66
1000.0	8.34	15.02	22.54	34.24	1.31	0.79	27.71	11.92	5.67
1250.0	8.33	15.01	22.19	33.22	1.30	0.79	28.16	11.87	5.68
1500.0	8.32	15.00	22.00	31.72	1.30	0.79	27.60	11.93	5.70
1750.0	8.30	14.99	21.61	30.03	1.30	0.79	27.73	12.03	5.69
2000.0	8.28	15.02	21.35	28.17	1.31	0.79	27.58	11.86	5.78
2250.0	8.27	14.99	20.80	26.15	1.30	0.79	27.01	11.77	5.74
2500.0	8.24	14.99	20.29	24.69	1.30	0.79	26.30	11.71	5.70
2750.0	8.23	14.96	19.79	23.35	1.30	0.79	25.96	11.77	5.73
3000.0	8.20	14.96	19.37	22.49	1.30	0.79	25.52	11.62	5.70
3250.0	8.16	14.97	19.09	21.98	1.31	0.79	25.07	11.46	5.59
3500.0	8.15	14.91	19.20	21.50	1.30	0.79	24.47	11.22	5.68
3750.0	8.08	14.95	19.12	21.99	1.31	0.80	24.14	11.04	5.65
4000.0	8.08	14.88	19.51	21.78	1.30	0.79	23.47	10.66	5.59
4250.0	8.10	14.76	20.03	21.39	1.29	0.79	22.89	10.34	5.58
4500.0	8.04	14.72	21.10	21.42	1.29	0.79	22.60	10.14	5.62
4750.0	7.86	14.81	22.57	21.84	1.32	0.80	22.32	9.88	5.69
5000.0	7.92	14.65	23.78	20.33	1.30	0.78	21.45	9.48	5.66
5250.0	7.81	14.68	26.20	19.52	1.31	0.79	21.17	9.19	5.64
5500.0	7.68	14.80	27.33	19.17	1.34	0.80	21.28	9.05	5.52
5750.0	7.72	14.50	35.40	16.81	1.30	0.77	20.60	8.62	5.58
6000.0	7.52	14.63	44.01	16.64	1.33	0.78	20.21	8.34	5.60
6250.0	7.38	14.58	39.75	15.75	1.33	0.78	20.11	8.04	5.65
6500.0	7.29	14.50	31.94	15.13	1.33	0.78	19.66	7.76	5.67
6750.0	7.16	14.24	26.68	13.89	1.31	0.76	19.15	7.44	5.65
7000.0	7.36	14.43	28.49	14.39	1.31	0.77	19.03	7.22	5.64
7250.0	7.51	14.52	27.80	14.46	1.30	0.77	18.84	7.00	5.52
7500.0	7.45	14.38	25.49	14.16	1.29	0.76	18.31	6.66	5.60
7750.0	7.43	14.25	23.09	13.81	1.27	0.76	18.05	6.39	5.66
8000.0	7.48	14.16	21.77	13.46	1.25	0.75	17.88	6.26	5.63

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: Id =60mA, Vd = 4.11V, @ Temperature = +85degC

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)
10.0	8.63	15.31	26.23	36.24	1.31	0.79	29.11	13.64	5.73
50.0	8.62	15.12	24.97	48.71	1.29	0.78	35.02	15.24	5.67
100.0	8.60	15.12	25.95	44.73	1.29	0.78	34.31	15.06	5.62
200.0	8.60	15.13	26.73	39.55	1.29	0.78	33.94	15.10	5.62
300.0	8.59	15.14	26.20	41.80	1.29	0.78	34.12	15.15	5.72
400.0	8.58	15.15	25.49	47.14	1.30	0.78	33.62	14.96	5.80
500.0	8.57	15.14	25.17	46.45	1.30	0.78	33.21	14.98	5.78
600.0	8.57	15.16	24.98	44.43	1.30	0.78	33.99	14.95	5.80
700.0	8.56	15.16	24.78	42.16	1.30	0.78	33.06	14.85	5.84
800.0	8.56	15.15	24.57	41.54	1.30	0.78	33.26	14.80	5.76
1000.0	8.55	15.16	24.18	39.49	1.30	0.79	32.21	14.77	5.75
1250.0	8.53	15.13	23.71	36.40	1.30	0.79	32.17	14.82	5.80
1500.0	8.52	15.13	23.50	33.46	1.30	0.79	31.54	14.70	5.78
1750.0	8.50	15.12	23.05	31.14	1.30	0.79	31.63	14.57	5.77
2000.0	8.48	15.13	22.70	28.85	1.30	0.79	30.07	14.52	5.88
2250.0	8.46	15.11	22.16	26.74	1.30	0.79	29.48	14.44	5.86
2500.0	8.43	15.12	21.56	25.38	1.30	0.79	28.81	14.15	5.84
2750.0	8.40	15.10	21.00	24.03	1.30	0.79	28.52	13.97	5.85
3000.0	8.38	15.10	20.60	23.04	1.30	0.79	27.58	13.64	5.80
3250.0	8.33	15.11	20.25	22.67	1.31	0.79	26.97	13.44	5.74
3500.0	8.31	15.06	20.29	22.12	1.30	0.79	26.46	13.11	5.85
3750.0	8.24	15.11	20.14	22.61	1.31	0.80	25.80	12.89	5.82
4000.0	8.23	15.04	20.66	22.26	1.31	0.79	25.28	12.58	5.78
4250.0	8.24	14.93	21.28	21.74	1.30	0.79	24.62	12.11	5.75
4500.0	8.18	14.87	22.41	21.62	1.30	0.79	24.44	11.93	5.82
4750.0	8.03	14.97	23.38	21.90	1.32	0.80	24.26	11.81	5.82
5000.0	8.05	14.80	25.60	20.13	1.30	0.78	23.28	11.17	5.80
5250.0	7.93	14.85	27.65	19.45	1.32	0.79	23.06	10.97	5.84
5500.0	7.79	14.98	27.90	19.06	1.35	0.80	23.21	10.94	5.75
5750.0	7.78	14.69	41.19	16.73	1.31	0.77	22.40	10.37	5.76
6000.0	7.61	14.83	34.56	16.58	1.34	0.79	21.99	10.12	5.86
6250.0	7.58	14.83	34.87	15.95	1.34	0.78	21.95	9.79	5.83
6500.0	7.36	14.70	28.95	15.03	1.35	0.78	21.40	9.51	5.97
6750.0	7.13	14.47	25.48	13.92	1.34	0.77	20.93	9.13	5.94
7000.0	7.47	14.54	28.32	14.15	1.31	0.76	20.83	9.00	5.87
7250.0	7.67	14.62	29.16	14.20	1.29	0.76	20.72	8.82	5.85
7500.0	7.58	14.51	27.50	14.05	1.29	0.76	20.16	8.42	5.85
7750.0	7.56	14.38	25.05	13.75	1.28	0.75	19.78	8.19	5.98
8000.0	7.64	14.29	23.23	13.33	1.25	0.74	19.63	7.95	5.89