

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=65mA, Vd = 4.45V @Temperature = +25degC

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Delta			
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Delta	(dBm)	(dBm)	(dB)
50.0	14.22	18.90	45.09	38.49	1.15	0.66	36.18	17.65	4.42
100.0	14.19	18.87	44.58	38.35	1.15	0.66	35.92	17.67	4.38
200.0	14.15	18.91	45.16	36.97	1.15	0.67	35.66	17.70	4.29
300.0	14.11	18.94	43.44	34.82	1.16	0.67	35.67	17.45	4.53
400.0	14.07	18.94	41.35	33.39	1.16	0.67	35.15	17.73	4.44
500.0	14.03	18.93	40.02	31.85	1.16	0.68	35.02	17.71	4.44
600.0	13.99	18.95	37.80	30.57	1.17	0.68	34.71	17.52	4.47
700.0	13.95	18.93	35.93	29.15	1.17	0.68	34.16	17.57	4.48
800.0	13.91	18.94	34.51	28.01	1.17	0.68	34.18	17.58	4.43
900.0	13.86	18.96	33.46	27.01	1.18	0.69	34.05	17.74	4.38
1000.0	13.82	18.96	32.32	26.24	1.18	0.69	33.52	17.23	4.47
1100.0	13.77	18.98	31.61	25.49	1.18	0.70	33.46	17.44	4.51
1200.0	13.72	19.00	30.55	24.84	1.19	0.70	33.36	17.36	4.42
1300.0	13.67	19.03	29.87	24.39	1.19	0.70	33.33	17.35	4.45
1400.0	13.62	19.02	29.34	23.93	1.20	0.71	33.05	17.18	4.44
1500.0	13.57	19.05	28.67	23.54	1.20	0.71	32.81	16.87	4.43
1600.0	13.52	19.07	28.27	23.24	1.21	0.72	32.55	16.76	4.45
1700.0	13.48	19.12	27.50	22.91	1.21	0.72	32.37	16.93	4.46
1800.0	13.41	19.16	27.40	22.69	1.22	0.73	31.94	16.43	4.53
1900.0	13.35	19.16	27.25	22.64	1.23	0.73	31.89	16.43	4.48
2000.0	13.30	19.20	26.99	22.67	1.24	0.74	31.44	16.52	4.50
2250.0	13.15	19.29	26.08	22.54	1.26	0.75	30.22	15.56	4.49
2500.0	13.00	19.38	25.58	23.01	1.28	0.76	29.56	15.47	4.57
2750.0	12.84	19.47	24.70	23.37	1.30	0.78	29.10	15.12	4.54
3000.0	12.64	19.62	23.63	24.39	1.37	0.81	28.17	14.46	4.59
3250.0	12.46	19.79	22.35	25.33	1.40	0.82	27.22	13.74	4.60
3500.0	12.30	19.86	21.72	25.44	1.44	0.84	26.67	13.40	4.70
3750.0	12.09	20.05	20.84	25.93	1.49	0.86	26.15	12.83	4.77
4000.0	11.89	20.22	19.81	26.80	1.53	0.87	25.29	12.23	4.76
4250.0	11.74	20.41	18.69	27.81	1.57	0.88	24.74	11.74	4.81
4500.0	11.55	20.52	18.50	27.28	1.65	0.90	24.55	11.66	4.91
4750.0	11.29	20.83	17.78	27.25	1.71	0.91	24.05	11.10	4.98
5000.0	11.05	21.01	17.16	28.11	1.79	0.92	23.10	10.64	5.10
5250.0	10.88	21.34	16.09	29.45	1.81	0.93	22.94	10.15	5.14
5500.0	10.61	21.24	16.35	30.09	2.01	0.95	23.04	10.16	5.25
5750.0	10.57	22.26	14.80	39.09	2.00	0.97	22.13	9.55	5.38
6000.0	10.42	22.17	14.05	33.80	2.03	0.98	21.59	9.20	5.35
6250.0	10.22	22.22	13.82	31.44	2.12	0.99	21.62	8.97	5.46
6500.0	10.02	22.46	14.01	31.22	2.21	0.99	21.33	8.56	5.60
6750.0	9.84	22.65	12.99	26.92	2.34	1.01	20.22	7.87	5.70
7000.0	9.90	23.41	12.58	24.31	2.34	1.01	20.04	7.66	5.71
7250.0	9.74	23.32	12.11	21.55	2.42	1.02	20.16	7.64	5.81
7500.0	9.71	23.72	12.01	20.83	2.45	1.02	19.41	6.84	5.92
7750.0	9.64	23.79	11.14	18.50	2.48	1.04	18.37	6.35	6.06
8000.0	9.55	24.06	10.80	16.96	2.38	1.04	18.67	6.62	6.15
8250.0	9.38	23.64	10.68	16.35	2.34	1.04	18.15	5.90	6.22
8500.0	9.34	23.52	9.30	13.59	2.26	1.06	17.42	5.13	6.58
8750.0	9.14	23.67	9.85	14.76	2.35	1.05	17.12	5.08	6.60
9000.0	8.87	23.32	8.30	11.60	2.09	1.06	17.21	5.04	6.67

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=52mA, Vd = 4.33V @Temperature = +25degC

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Delta			
(MHz)	(dB)	(dB)	(dB)	(dB)			(dBm)	(dBm)	(dB)
50.0	14.09	18.84	46.97	58.25	1.15	0.67	32.48	16.07	4.28
100.0	14.06	18.78	46.98	47.85	1.15	0.66	32.34	16.00	4.27
200.0	14.03	18.82	47.70	43.67	1.16	0.67	32.05	16.03	4.20
300.0	13.99	18.84	50.49	39.03	1.16	0.67	32.42	15.80	4.38
400.0	13.95	18.84	51.66	36.82	1.16	0.68	32.02	16.07	4.37
500.0	13.91	18.83	52.05	34.52	1.16	0.68	32.14	16.14	4.38
600.0	13.87	18.83	46.63	32.76	1.17	0.68	32.15	15.98	4.38
700.0	13.83	18.84	42.55	31.07	1.17	0.68	32.01	16.00	4.33
800.0	13.79	18.85	39.96	29.67	1.17	0.69	31.77	16.09	4.29
900.0	13.74	18.85	37.91	28.52	1.18	0.69	31.75	16.18	4.33
1000.0	13.70	18.87	36.24	27.61	1.18	0.69	31.35	15.55	4.36
1100.0	13.65	18.89	35.12	26.75	1.19	0.70	31.38	15.88	4.36
1200.0	13.61	18.92	33.51	26.02	1.19	0.70	31.58	15.83	4.28
1300.0	13.56	18.93	32.60	25.51	1.20	0.71	31.38	15.85	4.36
1400.0	13.51	18.93	31.68	24.97	1.20	0.71	31.10	15.79	4.34
1500.0	13.46	18.97	30.81	24.59	1.21	0.71	31.17	15.81	4.34
1600.0	13.41	18.96	30.21	24.24	1.21	0.72	31.05	15.69	4.37
1700.0	13.36	19.00	29.17	23.85	1.22	0.72	30.92	15.90	4.35
1800.0	13.29	19.02	28.99	23.62	1.22	0.73	30.58	15.57	4.38
1900.0	13.23	19.08	28.75	23.53	1.23	0.73	30.61	15.56	4.36
2000.0	13.18	19.10	28.20	23.61	1.24	0.74	30.13	15.45	4.39
2250.0	13.04	19.18	27.00	23.49	1.26	0.75	29.09	14.78	4.39
2500.0	12.89	19.27	26.10	23.90	1.28	0.77	28.34	14.61	4.42
2750.0	12.72	19.38	24.94	24.32	1.30	0.78	27.97	14.26	4.42
3000.0	12.52	19.54	23.37	25.25	1.37	0.81	27.11	13.57	4.47
3250.0	12.34	19.69	21.95	26.27	1.40	0.83	26.13	12.86	4.49
3500.0	12.19	19.79	21.23	26.27	1.45	0.84	25.60	12.51	4.56
3750.0	11.97	19.97	20.31	26.73	1.49	0.86	25.16	11.94	4.62
4000.0	11.77	20.16	19.25	27.50	1.53	0.87	24.23	11.38	4.64
4250.0	11.61	20.33	18.16	28.74	1.57	0.89	23.72	10.91	4.72
4500.0	11.42	20.42	17.98	28.14	1.65	0.90	23.48	10.80	4.71
4750.0	11.15	20.75	17.27	28.24	1.73	0.92	22.97	10.24	4.83
5000.0	10.91	20.99	16.61	29.04	1.81	0.93	22.16	9.83	4.91
5250.0	10.73	21.33	15.67	31.39	1.82	0.94	21.93	9.25	4.95
5500.0	10.45	21.20	15.79	31.26	2.03	0.96	21.98	9.29	5.03
5750.0	10.41	22.22	14.32	47.18	2.03	0.97	21.07	8.65	5.18
6000.0	10.26	22.19	13.61	34.43	2.06	0.98	20.53	8.31	5.15
6250.0	10.05	22.23	13.40	31.56	2.15	0.99	20.48	8.10	5.27
6500.0	9.84	22.45	13.52	31.47	2.25	1.00	20.24	7.67	5.37
6750.0	9.65	22.71	12.53	26.05	2.38	1.02	19.18	7.01	5.43
7000.0	9.70	23.44	12.16	23.76	2.39	1.02	18.93	6.80	5.49
7250.0	9.53	23.38	11.68	21.08	2.47	1.03	19.04	6.82	5.64
7500.0	9.49	23.79	11.58	20.35	2.51	1.03	18.31	5.97	5.66
7750.0	9.41	23.89	10.77	18.13	2.55	1.05	17.29	5.49	5.85
8000.0	9.30	24.15	10.44	16.73	2.45	1.05	17.57	5.74	5.93
8250.0	9.13	23.75	10.31	16.11	2.40	1.05	17.07	4.98	6.02
8500.0	9.07	23.59	9.01	13.46	2.32	1.07	16.39	4.23	6.36
8750.0	8.85	23.75	9.54	14.57	2.41	1.06	16.06	4.24	6.35
9000.0	8.57	23.39	8.07	11.52	2.17	1.07	16.22	4.18	6.41

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=78mA, Vd = 4.58V @Temperature = +25degC

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Delta			
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Delta	(dBm)	(dBm)	(dB)
50.0	14.31	18.99	38.16	34.43	1.15	0.66	38.97	18.30	4.53
100.0	14.27	18.99	38.13	33.94	1.15	0.66	38.71	18.27	4.52
200.0	14.23	19.02	38.29	33.34	1.16	0.67	38.74	18.33	4.45
300.0	14.19	19.01	37.34	32.23	1.16	0.67	38.44	18.20	4.51
400.0	14.15	19.00	36.43	31.22	1.16	0.67	37.28	18.60	4.53
500.0	14.11	19.01	35.50	29.96	1.16	0.67	36.77	18.59	4.66
600.0	14.07	19.02	34.14	28.98	1.17	0.68	35.34	18.40	4.59
700.0	14.03	19.01	32.84	27.85	1.17	0.68	35.36	18.51	4.54
800.0	13.99	18.99	31.92	26.90	1.17	0.68	35.39	18.41	4.54
900.0	13.94	19.02	31.15	25.97	1.17	0.69	35.24	18.61	4.55
1000.0	13.90	19.03	30.31	25.29	1.18	0.69	34.92	18.24	4.55
1100.0	13.85	19.04	29.66	24.62	1.18	0.69	34.57	18.33	4.56
1200.0	13.80	19.06	28.81	24.03	1.19	0.70	34.48	18.18	4.50
1300.0	13.75	19.09	28.29	23.62	1.19	0.70	34.31	18.14	4.57
1400.0	13.70	19.09	27.85	23.21	1.20	0.71	33.89	17.90	4.54
1500.0	13.65	19.13	27.35	22.88	1.20	0.71	33.43	17.41	4.51
1600.0	13.60	19.13	27.01	22.58	1.21	0.71	33.42	17.33	4.64
1700.0	13.55	19.18	26.35	22.24	1.21	0.72	33.21	17.45	4.55
1800.0	13.48	19.21	26.31	22.06	1.22	0.73	32.66	16.91	4.62
1900.0	13.42	19.24	26.18	22.03	1.23	0.73	32.48	16.94	4.59
2000.0	13.37	19.26	25.99	22.05	1.23	0.74	32.30	17.08	4.61
2250.0	13.23	19.36	25.26	21.97	1.25	0.75	30.91	16.07	4.61
2500.0	13.07	19.45	24.98	22.35	1.28	0.76	30.39	16.05	4.67
2750.0	12.92	19.52	24.36	22.72	1.30	0.78	29.92	15.71	4.68
3000.0	12.72	19.70	23.69	23.73	1.37	0.81	28.93	15.10	4.71
3250.0	12.54	19.85	22.48	24.62	1.40	0.82	27.88	14.43	4.73
3500.0	12.39	19.93	22.00	24.73	1.44	0.84	27.40	14.13	4.82
3750.0	12.18	20.10	21.17	25.31	1.48	0.85	26.90	13.58	4.91
4000.0	11.98	20.28	20.21	26.16	1.52	0.87	26.02	12.96	4.88
4250.0	11.83	20.43	19.05	27.08	1.56	0.88	25.46	12.49	4.97
4500.0	11.65	20.55	18.90	26.54	1.63	0.89	25.26	12.44	5.01
4750.0	11.39	20.83	18.15	26.47	1.70	0.91	24.72	11.88	5.14
5000.0	11.16	21.06	17.53	27.21	1.78	0.92	24.03	11.41	5.21
5250.0	10.99	21.41	16.43	28.33	1.79	0.93	23.75	10.90	5.25
5500.0	10.72	21.23	16.83	29.18	1.99	0.95	23.77	10.96	5.41
5750.0	10.69	22.25	15.20	35.93	1.98	0.96	22.91	10.30	5.50
6000.0	10.55	22.19	14.40	33.29	2.01	0.97	22.40	10.02	5.54
6250.0	10.36	22.18	14.20	31.35	2.09	0.98	22.50	9.77	5.65
6500.0	10.16	22.42	14.41	31.24	2.19	0.98	22.17	9.37	5.75
6750.0	9.99	22.66	13.37	27.69	2.30	1.00	21.22	8.71	5.88
7000.0	10.06	23.36	12.94	24.85	2.31	1.01	20.92	8.48	5.90
7250.0	9.90	23.31	12.47	21.96	2.38	1.02	21.11	8.52	6.05
7500.0	9.89	23.71	12.39	21.25	2.40	1.02	20.30	7.61	6.14
7750.0	9.83	23.72	11.47	18.80	2.43	1.03	19.28	7.08	6.30
8000.0	9.75	24.00	11.12	17.16	2.32	1.03	19.56	7.41	6.37
8250.0	9.59	23.56	11.03	16.55	2.28	1.03	19.07	6.69	6.48
8500.0	9.57	23.43	9.54	13.72	2.20	1.05	18.27	5.86	6.83
8750.0	9.38	23.57	10.13	14.93	2.29	1.04	17.98	5.89	6.86
9000.0	9.13	23.24	8.50	11.67	2.04	1.05	18.09	5.82	6.93

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=65mA, Vd = 4.63V @Temperature = -45degC

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Delta			
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Delta	(dBm)	(dBm)	(dB)
50.0	14.23	18.87	39.45	64.46	1.15	0.66	37.17	17.92	3.99
100.0	14.21	18.86	37.44	47.92	1.15	0.66	36.92	17.87	3.87
200.0	14.18	18.83	38.17	40.75	1.15	0.66	36.73	17.85	3.81
300.0	14.15	18.85	50.95	35.37	1.15	0.66	36.71	17.65	3.90
400.0	14.11	18.86	52.71	34.04	1.15	0.66	36.10	17.94	3.86
500.0	14.08	18.85	42.82	32.35	1.15	0.67	35.87	17.96	3.95
600.0	14.05	18.84	41.92	31.27	1.16	0.67	35.50	17.78	3.94
700.0	14.01	18.82	37.48	29.65	1.16	0.67	35.17	17.84	3.85
800.0	13.98	18.85	38.54	29.65	1.16	0.67	34.93	17.87	3.69
900.0	13.94	18.84	38.49	28.51	1.16	0.67	34.68	18.04	3.78
1000.0	13.90	18.86	36.64	27.71	1.17	0.68	34.44	17.48	3.84
1100.0	13.85	18.87	34.83	26.61	1.17	0.68	34.33	17.75	3.83
1200.0	13.81	18.88	32.94	25.59	1.17	0.69	34.31	17.70	3.77
1300.0	13.76	18.91	30.73	24.62	1.18	0.69	34.21	17.71	3.78
1400.0	13.72	18.92	29.86	24.12	1.18	0.69	34.05	17.60	3.80
1500.0	13.67	18.94	28.72	23.52	1.19	0.70	33.94	17.41	3.77
1600.0	13.62	18.94	28.61	23.29	1.19	0.70	33.90	17.31	3.85
1700.0	13.57	18.99	27.36	22.64	1.20	0.71	33.70	17.50	3.82
1800.0	13.51	19.04	27.62	22.21	1.21	0.71	33.31	17.02	3.84
1900.0	13.46	19.03	27.56	22.38	1.21	0.72	33.45	17.06	3.81
2000.0	13.41	19.06	26.68	22.15	1.21	0.72	32.83	17.09	3.84
2250.0	13.28	19.15	25.52	21.88	1.23	0.73	31.88	16.24	3.81
2500.0	13.13	19.22	25.85	22.78	1.25	0.75	31.25	16.12	3.86
2750.0	12.97	19.30	26.11	23.73	1.27	0.76	30.82	15.87	3.85
3000.0	12.82	19.38	24.34	24.67	1.34	0.80	29.89	15.22	3.78
3250.0	12.61	19.59	22.76	25.58	1.36	0.81	29.07	14.49	3.89
3500.0	12.48	19.67	21.54	25.15	1.40	0.82	28.40	14.15	3.94
3750.0	12.28	19.83	20.60	25.97	1.43	0.84	28.03	13.63	4.01
4000.0	12.08	19.96	20.47	26.69	1.48	0.85	27.05	12.92	4.00
4250.0	11.97	20.22	19.57	27.80	1.50	0.86	26.48	12.57	4.09
4500.0	11.77	20.26	20.48	26.16	1.57	0.88	26.38	12.50	4.07
4750.0	11.45	20.44	19.37	25.77	1.63	0.89	25.74	11.90	4.20
5000.0	11.30	20.73	17.91	26.17	1.70	0.91	24.82	11.41	4.27
5250.0	11.14	21.05	16.48	27.01	1.72	0.92	24.73	10.98	4.27
5500.0	10.93	21.05	15.91	28.44	1.83	0.94	24.71	10.96	4.42
5750.0	10.85	21.63	14.70	27.80	1.91	0.96	23.80	10.27	4.48
6000.0	10.72	22.02	13.72	29.22	1.95	0.97	23.30	9.94	4.55
6250.0	10.40	22.00	13.55	29.45	1.98	0.98	23.47	9.87	4.64
6500.0	10.35	22.14	14.28	28.63	2.08	0.98	22.97	9.43	4.74
6750.0	10.20	22.43	14.11	25.38	2.14	0.99	21.88	8.88	4.72
7000.0	10.25	22.80	13.96	23.09	2.25	0.99	21.85	8.72	4.81
7250.0	10.27	23.36	14.00	21.76	2.31	0.99	21.93	8.62	4.84
7500.0	10.19	23.55	12.95	21.80	2.29	1.01	20.92	7.65	5.00
7750.0	10.14	23.53	11.80	19.87	2.30	1.02	20.08	7.08	5.09
8000.0	10.03	23.67	10.68	17.93	2.19	1.04	20.42	7.20	5.14
8250.0	9.87	23.34	10.36	17.80	2.23	1.05	19.65	6.59	5.28
8500.0	9.89	23.59	9.21	14.35	2.14	1.06	18.93	5.80	5.61
8750.0	9.73	23.57	9.29	17.07	2.18	1.07	18.80	6.00	5.65
9000.0	9.53	23.44	8.42	11.98	1.92	1.06	18.80	5.94	5.50

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= 52mA; Vd= 4.53V; @ Temperature = -45 deg C

FREQ (MHz)	Gain (dB)	Isolation (dB)	Input Return Loss (dB)	Output Return Loss (dB)	Stability		IP-3 Output (dBm)	1dB Comp. Output (dBm)	Noise Figure (dB)
					K	Delta			
50.0	14.11	18.75	33.88	39.75	1.15	0.66	33.25	16.16	3.86
100.0	14.09	18.75	33.50	38.06	1.15	0.66	33.11	16.02	3.78
200.0	14.06	18.79	33.54	35.81	1.15	0.66	32.91	16.05	3.70
300.0	14.03	18.79	39.26	36.19	1.15	0.67	33.17	15.86	3.87
400.0	14.00	18.77	43.69	36.39	1.15	0.67	32.82	16.16	3.75
500.0	13.97	18.76	54.32	35.06	1.16	0.67	32.98	16.26	3.76
600.0	13.93	18.73	58.88	33.48	1.16	0.67	32.90	16.14	3.81
700.0	13.89	18.76	45.49	31.57	1.16	0.67	32.78	16.13	3.73
800.0	13.86	18.76	51.14	31.50	1.16	0.68	32.67	16.25	3.59
900.0	13.82	18.77	47.82	29.95	1.17	0.68	32.56	16.33	3.66
1000.0	13.78	18.77	45.09	28.99	1.17	0.68	32.22	15.63	3.72
1100.0	13.74	18.77	40.57	27.86	1.17	0.68	32.23	15.97	3.73
1200.0	13.70	18.79	36.97	26.74	1.18	0.69	32.43	15.97	3.67
1300.0	13.65	18.80	33.84	25.75	1.18	0.69	32.39	15.99	3.71
1400.0	13.61	18.81	32.64	25.10	1.18	0.69	32.02	15.98	3.69
1500.0	13.56	18.85	30.86	24.52	1.19	0.70	32.32	16.11	3.70
1600.0	13.51	18.85	30.65	24.23	1.19	0.70	32.12	15.99	3.71
1700.0	13.46	18.88	28.97	23.53	1.20	0.71	32.04	16.25	3.68
1800.0	13.40	18.95	29.30	23.04	1.21	0.72	31.62	16.01	3.76
1900.0	13.35	18.93	29.01	23.22	1.21	0.72	31.68	15.98	3.70
2000.0	13.30	18.95	27.99	22.99	1.22	0.72	31.25	15.82	3.69
2250.0	13.17	19.06	26.45	22.73	1.24	0.74	30.47	15.34	3.72
2500.0	13.02	19.12	26.58	23.67	1.25	0.75	29.97	15.15	3.81
2750.0	12.87	19.23	26.50	24.64	1.28	0.76	29.56	14.92	3.78
3000.0	12.71	19.32	24.38	25.69	1.34	0.80	28.83	14.33	3.71
3250.0	12.50	19.51	22.40	26.56	1.36	0.81	28.00	13.59	3.80
3500.0	12.37	19.59	21.12	25.97	1.40	0.83	27.36	13.26	3.85
3750.0	12.17	19.77	20.13	26.99	1.44	0.84	26.87	12.74	3.90
4000.0	11.97	19.90	19.81	27.17	1.49	0.86	25.98	12.05	3.87
4250.0	11.83	20.17	19.14	28.68	1.51	0.87	25.44	11.72	3.95
4500.0	11.64	20.21	19.74	27.62	1.59	0.88	25.34	11.63	3.95
4750.0	11.31	20.40	18.90	26.94	1.64	0.90	24.89	11.00	4.05
5000.0	11.17	20.68	17.39	26.87	1.72	0.91	23.86	10.59	4.09
5250.0	10.99	21.01	16.04	28.93	1.75	0.93	23.81	10.11	4.15
5500.0	10.70	20.98	15.29	28.88	1.85	0.94	23.79	10.05	4.23
5750.0	10.72	21.62	13.96	29.27	1.96	0.97	22.82	9.44	4.36
6000.0	10.52	22.15	13.44	29.48	1.97	0.98	22.22	9.16	4.36
6250.0	10.28	22.01	13.14	29.42	2.01	0.99	22.43	8.99	4.53
6500.0	10.16	22.15	13.89	29.65	2.10	0.98	21.90	8.54	4.54
6750.0	10.04	22.39	13.44	24.92	2.19	1.00	20.88	7.93	4.63
7000.0	10.07	22.93	13.40	22.47	2.32	1.00	20.79	7.79	4.53
7250.0	10.07	23.50	13.63	21.39	2.38	1.00	20.77	7.77	4.64
7500.0	9.96	23.65	12.31	21.31	2.35	1.02	19.88	6.79	4.87
7750.0	9.88	23.59	11.22	19.69	2.33	1.03	19.04	6.27	4.86
8000.0	9.79	23.64	10.24	17.77	2.28	1.05	19.36	6.42	5.00
8250.0	9.59	23.54	9.95	17.50	2.27	1.06	18.72	5.74	5.01
8500.0	9.63	23.64	8.94	14.09	2.20	1.07	17.96	4.93	5.39
8750.0	9.47	23.64	9.06	16.66	2.24	1.08	17.80	5.23	5.47
9000.0	9.24	23.52	8.19	11.78	1.98	1.07	17.75	5.08	5.27

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=78mA, Vd = 4.74V @Temperature = -45degC

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Delta			
(MHz)	(dB)	(dB)	(dB)	(dB)			(dBm)	(dBm)	(dB)
50.0	14.32	18.93	46.13	43.25	1.14	0.65	39.95	18.78	4.13
100.0	14.29	18.93	40.20	43.18	1.15	0.66	39.63	18.76	4.03
200.0	14.27	18.91	45.01	40.22	1.15	0.66	39.57	18.82	3.92
300.0	14.23	18.93	44.91	33.36	1.15	0.66	39.33	18.65	4.02
400.0	14.20	18.91	40.73	31.91	1.15	0.66	37.96	19.02	3.97
500.0	14.17	18.92	37.18	30.41	1.15	0.66	37.62	19.01	3.99
600.0	14.13	18.90	36.68	29.55	1.15	0.67	36.16	18.82	3.94
700.0	14.09	18.90	34.05	28.27	1.16	0.67	35.96	18.92	3.91
800.0	14.06	18.92	34.81	28.37	1.16	0.67	36.14	18.85	3.89
900.0	14.02	18.91	34.70	27.34	1.16	0.67	35.93	19.08	3.92
1000.0	13.98	18.94	33.53	26.67	1.17	0.68	35.66	18.64	3.88
1100.0	13.94	18.95	32.13	25.70	1.17	0.68	35.80	18.79	3.89
1200.0	13.89	18.95	30.71	24.77	1.17	0.68	35.66	18.71	3.84
1300.0	13.84	18.97	28.91	23.87	1.18	0.69	35.33	18.67	3.89
1400.0	13.80	18.99	28.23	23.38	1.18	0.69	35.25	18.49	3.89
1500.0	13.75	18.98	27.35	22.88	1.18	0.69	34.90	18.08	3.86
1600.0	13.70	19.03	27.19	22.65	1.19	0.70	34.61	17.94	3.94
1700.0	13.65	19.04	26.19	22.06	1.19	0.70	34.56	18.10	3.90
1800.0	13.59	19.11	26.38	21.67	1.20	0.71	34.00	17.57	3.93
1900.0	13.54	19.08	26.44	21.74	1.21	0.71	33.92	17.56	3.91
2000.0	13.49	19.13	25.68	21.56	1.21	0.72	33.70	17.70	3.89
2250.0	13.35	19.21	24.70	21.26	1.23	0.73	32.57	16.74	3.90
2500.0	13.21	19.28	25.12	22.10	1.25	0.75	31.95	16.71	4.00
2750.0	13.06	19.36	25.65	23.00	1.27	0.76	31.46	16.44	3.96
3000.0	12.91	19.47	24.00	23.96	1.33	0.79	30.67	15.85	3.93
3250.0	12.70	19.64	22.86	24.89	1.35	0.81	29.82	15.19	4.01
3500.0	12.57	19.71	21.74	24.45	1.39	0.82	29.19	14.88	4.06
3750.0	12.37	19.91	20.96	25.47	1.42	0.84	28.69	14.36	4.13
4000.0	12.18	19.99	21.04	26.10	1.47	0.85	27.86	13.66	4.13
4250.0	12.06	20.26	20.09	27.05	1.50	0.86	27.10	13.29	4.22
4500.0	11.87	20.32	20.65	25.84	1.57	0.88	27.10	13.24	4.21
4750.0	11.54	20.51	19.76	25.18	1.62	0.89	26.54	12.63	4.29
5000.0	11.41	20.76	18.30	25.13	1.69	0.90	25.62	12.14	4.36
5250.0	11.25	21.09	16.71	26.74	1.71	0.92	25.51	11.70	4.46
5500.0	11.03	21.03	16.40	26.97	1.82	0.93	25.52	11.71	4.57
5750.0	10.98	21.65	14.81	26.84	1.91	0.95	24.64	11.04	4.63
6000.0	10.84	22.13	14.05	26.70	1.92	0.96	24.19	10.69	4.77
6250.0	10.55	21.97	14.01	28.58	1.95	0.97	24.37	10.63	4.82
6500.0	10.48	22.10	14.87	29.58	2.05	0.97	23.86	10.27	5.00
6750.0	10.38	22.38	14.57	25.39	2.10	0.98	22.95	9.61	4.86
7000.0	10.41	22.73	14.38	23.17	2.22	0.99	22.84	9.51	5.01
7250.0	10.44	23.35	14.66	22.58	2.24	0.98	22.84	9.53	5.04
7500.0	10.35	23.35	13.37	21.91	2.24	1.00	21.83	8.40	5.21
7750.0	10.28	23.39	12.17	20.33	2.29	1.02	21.04	7.86	5.24
8000.0	10.22	23.75	11.04	17.82	2.17	1.03	21.50	7.95	5.48
8250.0	10.04	23.34	10.70	18.16	2.19	1.04	20.60	7.29	5.50
8500.0	10.12	23.57	9.64	14.44	2.07	1.05	19.84	6.54	5.74
8750.0	10.00	23.47	9.68	17.57	2.13	1.06	19.70	6.77	5.95
9000.0	9.80	23.25	8.78	12.08	1.89	1.05	19.64	6.65	5.78

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=65mA, Vd = 4.30V @Temperature = +85degC

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Delta			
(MHz)	(dB)	(dB)	(dB)	(dB)			(dBm)	(dBm)	(dB)
50.0	14.17	18.88	34.50	34.77	1.15	0.66	35.59	17.36	4.86
100.0	14.14	18.92	33.42	32.43	1.15	0.67	35.50	17.29	4.85
200.0	14.10	18.92	33.76	31.62	1.16	0.67	35.28	17.37	4.79
300.0	14.05	18.92	36.22	32.84	1.16	0.67	35.34	17.13	4.99
400.0	14.00	18.93	35.65	32.49	1.16	0.68	34.65	17.44	4.96
500.0	13.96	18.95	36.79	32.18	1.17	0.68	34.42	17.39	5.04
600.0	13.92	18.92	36.74	31.10	1.17	0.68	34.04	17.17	5.02
700.0	13.87	18.94	36.12	29.92	1.18	0.69	33.50	17.24	4.98
800.0	13.82	18.96	36.14	28.99	1.18	0.69	33.24	17.19	5.06
900.0	13.78	18.97	35.59	28.02	1.18	0.70	33.25	17.37	5.14
1000.0	13.73	18.98	34.94	27.10	1.19	0.70	32.68	16.89	5.03
1100.0	13.68	19.01	34.41	26.37	1.19	0.70	32.52	17.06	5.01
1200.0	13.62	19.03	33.74	25.65	1.20	0.71	32.62	16.94	4.96
1300.0	13.57	19.04	33.24	25.16	1.20	0.71	32.12	16.89	5.01
1400.0	13.52	19.06	32.04	24.64	1.21	0.72	31.84	16.68	5.00
1500.0	13.46	19.08	30.96	24.18	1.21	0.72	31.40	16.29	5.00
1600.0	13.40	19.11	29.98	23.75	1.22	0.73	31.38	16.21	5.04
1700.0	13.35	19.15	29.01	23.42	1.23	0.73	31.27	16.33	5.06
1800.0	13.28	19.21	28.55	22.96	1.24	0.74	30.67	15.84	5.09
1900.0	13.22	19.21	27.88	22.92	1.24	0.74	30.57	15.79	5.05
2000.0	13.16	19.25	27.32	22.96	1.25	0.75	30.26	15.88	5.04
2250.0	13.01	19.35	25.73	22.71	1.27	0.76	28.96	14.84	5.12
2500.0	12.82	19.47	25.13	23.03	1.30	0.78	28.18	14.80	5.17
2750.0	12.65	19.59	24.22	23.56	1.33	0.79	27.73	14.42	5.24
3000.0	12.47	19.71	23.03	24.37	1.41	0.83	26.85	13.73	5.19
3250.0	12.25	19.89	21.99	25.00	1.44	0.84	25.82	13.09	5.28
3500.0	12.09	20.03	21.75	24.99	1.50	0.86	25.28	12.74	5.36
3750.0	11.83	20.25	20.83	25.73	1.54	0.87	24.78	12.19	5.43
4000.0	11.60	20.36	19.53	27.22	1.59	0.88	23.93	11.57	5.46
4250.0	11.48	20.60	18.33	28.77	1.64	0.90	23.43	11.11	5.53
4500.0	11.24	20.76	17.28	28.03	1.73	0.92	23.09	10.94	5.59
4750.0	10.93	21.06	16.20	28.64	1.80	0.93	22.62	10.36	5.73
5000.0	10.74	21.34	15.41	30.52	1.86	0.95	21.98	9.98	5.82
5250.0	10.46	21.42	14.37	35.90	1.93	0.96	21.56	9.27	5.87
5500.0	10.25	21.68	14.64	34.41	2.10	0.97	21.51	9.21	6.03
5750.0	10.11	22.33	14.10	41.02	2.15	0.98	20.87	8.68	6.15
6000.0	9.94	22.45	14.26	32.99	2.18	0.99	20.34	8.31	6.14
6250.0	9.72	22.40	13.83	26.72	2.28	0.99	20.17	8.06	6.24
6500.0	9.55	22.70	13.77	26.88	2.50	1.00	19.91	7.78	6.43
6750.0	9.48	23.52	13.25	26.13	2.61	1.01	19.08	7.24	6.49
7000.0	9.41	23.91	11.60	20.99	2.53	1.03	18.74	6.84	6.61
7250.0	9.18	23.70	11.06	20.03	2.68	1.05	18.56	6.86	6.75
7500.0	9.10	24.27	10.25	18.87	2.65	1.06	18.16	6.11	6.81
7750.0	8.88	24.17	9.99	18.56	2.71	1.07	17.36	5.52	7.02
8000.0	8.76	24.34	9.81	16.60	2.63	1.07	17.31	5.58	7.16
8250.0	8.60	24.07	10.06	15.22	2.56	1.05	16.97	5.01	7.23
8500.0	8.49	23.72	9.66	13.23	2.51	1.05	16.40	4.31	7.62
8750.0	8.29	23.62	9.97	14.41	2.56	1.05	16.00	4.26	7.43
9000.0	8.00	23.35	8.61	11.06	2.40	1.05	16.14	4.23	7.70

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: Id=52mA, Vd = 4.16V @Temperature = +85degC

FREQ (MHz)	Gain (dB)	Isolation (dB)	Input Return Loss (dB)	Output Return Loss (dB)	Stability		IP-3 Output (dBm)	1dB Comp. Output (dBm)	Noise Figure (dB)
					K	Delta			
50.0	14.03	18.76	41.16	43.31	1.15	0.66	31.99	15.94	4.73
100.0	14.00	18.80	38.52	36.65	1.16	0.67	31.95	15.86	4.72
200.0	13.96	18.82	39.96	36.79	1.16	0.67	31.78	15.93	4.68
300.0	13.92	18.82	45.40	38.26	1.16	0.68	31.96	15.67	4.84
400.0	13.87	18.83	42.68	37.05	1.17	0.68	31.56	15.93	4.82
500.0	13.83	18.83	45.02	35.78	1.17	0.68	31.67	15.94	5.00
600.0	13.78	18.83	42.53	33.61	1.17	0.69	31.61	15.78	4.95
700.0	13.74	18.83	42.22	31.88	1.18	0.69	31.38	15.79	4.88
800.0	13.69	18.86	41.74	30.74	1.18	0.69	31.22	15.85	4.85
900.0	13.65	18.87	40.91	29.63	1.19	0.70	31.15	15.95	4.90
1000.0	13.60	18.87	40.29	28.51	1.19	0.70	30.70	15.36	4.92
1100.0	13.55	18.89	38.91	27.65	1.19	0.71	30.63	15.65	4.93
1200.0	13.50	18.90	37.98	26.84	1.20	0.71	30.78	15.58	4.85
1300.0	13.44	18.94	37.43	26.30	1.21	0.72	30.50	15.60	4.90
1400.0	13.40	18.95	35.52	25.76	1.21	0.72	30.24	15.51	4.84
1500.0	13.34	18.98	34.02	25.29	1.22	0.72	30.05	15.40	4.88
1600.0	13.28	19.03	32.54	24.83	1.22	0.73	29.99	15.27	4.95
1700.0	13.22	19.04	31.30	24.52	1.23	0.73	29.79	15.44	4.95
1800.0	13.16	19.10	30.67	23.96	1.24	0.74	29.44	15.06	4.95
1900.0	13.10	19.12	29.60	24.00	1.25	0.75	29.30	15.01	4.93
2000.0	13.04	19.17	28.95	24.00	1.26	0.75	28.95	14.98	4.93
2250.0	12.88	19.26	26.74	23.69	1.28	0.76	27.81	14.11	4.94
2500.0	12.70	19.37	25.62	24.12	1.31	0.78	27.06	13.99	5.06
2750.0	12.53	19.48	24.23	24.55	1.33	0.80	26.61	13.59	5.06
3000.0	12.34	19.60	22.56	25.18	1.41	0.83	25.73	12.90	5.08
3250.0	12.13	19.81	21.46	25.93	1.44	0.84	24.78	12.20	5.15
3500.0	11.97	19.93	21.28	25.83	1.51	0.86	24.27	11.86	5.21
3750.0	11.72	20.19	20.34	26.75	1.55	0.87	23.80	11.27	5.30
4000.0	11.47	20.28	19.06	28.18	1.60	0.89	23.01	10.73	5.28
4250.0	11.34	20.51	17.85	30.20	1.65	0.90	22.48	10.22	5.36
4500.0	11.09	20.67	16.90	29.09	1.74	0.92	22.09	10.04	5.45
4750.0	10.78	20.98	15.81	30.01	1.83	0.94	21.64	9.47	5.57
5000.0	10.57	21.34	15.08	32.27	1.89	0.95	21.06	9.08	5.62
5250.0	10.31	21.46	14.13	40.94	1.94	0.97	20.63	8.47	5.77
5500.0	10.06	21.56	14.10	34.64	2.13	0.98	20.59	8.50	5.90
5750.0	9.90	22.32	13.77	36.46	2.20	0.99	19.91	7.82	5.95
6000.0	9.70	22.47	14.15	32.03	2.25	0.99	19.31	7.46	5.96
6250.0	9.49	22.46	13.40	26.02	2.30	1.00	19.19	7.15	6.04
6500.0	9.37	22.67	13.28	25.98	2.53	1.01	18.94	6.88	6.13
6750.0	9.32	23.51	12.74	25.04	2.61	1.02	18.12	6.35	6.25
7000.0	9.18	23.78	11.35	20.69	2.58	1.04	17.76	5.95	6.30
7250.0	9.00	23.75	10.64	19.63	2.77	1.06	17.57	6.01	6.52
7500.0	8.88	24.46	10.06	18.59	2.73	1.07	17.18	5.25	6.58
7750.0	8.62	24.24	9.73	18.39	2.77	1.08	16.39	4.61	6.80
8000.0	8.49	24.34	9.54	16.17	2.71	1.07	16.42	4.69	6.91
8250.0	8.35	24.17	9.75	14.99	2.64	1.06	15.99	4.14	7.02
8500.0	8.20	23.82	9.50	13.16	2.60	1.05	15.47	3.41	7.28
8750.0	8.00	23.74	9.80	14.17	2.66	1.06	15.11	3.41	7.27
9000.0	7.70	23.43	8.46	10.95	2.47	1.05	15.29	3.36	7.46

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=78mA, Vd = 4.43V @Temperature = +85degC

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Delta			
(MHz)	(dB)	(dB)	(dB)	(dB)			(dBm)	(dBm)	(dB)
50.0	14.26	19.00	31.72	31.52	1.15	0.66	38.73	17.80	4.99
100.0	14.23	19.01	31.09	30.21	1.15	0.67	38.96	17.74	4.99
200.0	14.19	19.00	31.42	29.63	1.16	0.67	38.45	17.83	4.95
300.0	14.14	18.99	33.10	30.35	1.16	0.67	38.36	17.72	5.11
400.0	14.09	19.01	32.69	30.23	1.16	0.68	37.09	18.12	5.07
500.0	14.05	19.02	33.51	30.11	1.17	0.68	36.33	18.14	5.19
600.0	14.00	19.02	33.45	29.23	1.17	0.68	35.24	17.99	5.13
700.0	13.95	19.02	32.92	28.37	1.17	0.69	35.16	18.01	5.05
800.0	13.91	19.04	32.90	27.69	1.18	0.69	34.90	17.93	5.04
900.0	13.86	19.04	32.52	26.82	1.18	0.69	34.69	18.11	5.07
1000.0	13.82	19.06	31.95	26.00	1.19	0.70	34.29	17.80	5.05
1100.0	13.76	19.08	31.63	25.30	1.19	0.70	34.06	17.82	5.11
1200.0	13.71	19.09	31.07	24.70	1.20	0.71	33.66	17.63	5.04
1300.0	13.65	19.12	30.73	24.25	1.20	0.71	33.31	17.61	5.10
1400.0	13.61	19.14	29.85	23.80	1.21	0.72	32.77	17.27	5.08
1500.0	13.55	19.17	28.99	23.36	1.21	0.72	32.12	16.78	5.08
1600.0	13.48	19.20	28.24	22.95	1.22	0.73	32.07	16.69	5.17
1700.0	13.43	19.24	27.52	22.66	1.23	0.73	31.84	16.82	5.14
1800.0	13.36	19.28	27.14	22.23	1.24	0.74	31.40	16.29	5.19
1900.0	13.30	19.28	26.62	22.24	1.24	0.74	31.22	16.26	5.17
2000.0	13.24	19.34	26.25	22.26	1.25	0.75	30.94	16.40	5.19
2250.0	13.08	19.46	24.86	21.99	1.28	0.76	29.63	15.35	5.19
2500.0	12.90	19.55	24.57	22.34	1.30	0.78	28.87	15.31	5.27
2750.0	12.74	19.64	24.10	22.78	1.33	0.79	28.31	15.00	5.27
3000.0	12.56	19.74	23.17	23.56	1.40	0.82	27.37	14.34	5.31
3250.0	12.34	19.95	22.28	24.30	1.43	0.84	26.36	13.72	5.39
3500.0	12.18	20.06	22.35	24.19	1.49	0.85	25.90	13.41	5.42
3750.0	11.92	20.28	21.21	24.85	1.54	0.87	25.41	12.86	5.56
4000.0	11.70	20.42	19.83	26.31	1.58	0.88	24.56	12.28	5.54
4250.0	11.58	20.64	18.54	27.56	1.63	0.89	23.99	11.80	5.65
4500.0	11.35	20.77	17.66	26.73	1.72	0.91	23.73	11.64	5.75
4750.0	11.04	21.07	16.69	27.29	1.79	0.93	23.29	11.07	5.85
5000.0	10.84	21.33	15.80	29.08	1.86	0.94	22.54	10.68	5.97
5250.0	10.57	21.50	14.76	33.39	1.92	0.96	22.19	10.06	6.00
5500.0	10.41	21.72	15.04	32.99	2.08	0.97	22.18	10.05	6.24
5750.0	10.24	22.35	14.30	39.32	2.12	0.98	21.56	9.45	6.31
6000.0	10.10	22.45	14.52	34.32	2.15	0.98	20.99	9.05	6.31
6250.0	9.84	22.35	14.11	27.78	2.24	0.99	20.85	8.88	6.40
6500.0	9.69	22.65	14.44	29.17	2.43	0.99	20.55	8.55	6.52
6750.0	9.66	23.39	13.67	27.25	2.55	1.01	19.74	8.04	6.72
7000.0	9.55	23.80	11.89	21.68	2.50	1.03	19.43	7.66	6.70
7250.0	9.35	23.70	11.28	20.68	2.65	1.04	19.23	7.63	6.92
7500.0	9.29	24.30	10.49	19.26	2.58	1.06	18.83	6.81	6.98
7750.0	9.09	24.07	10.18	18.80	2.66	1.06	18.02	6.30	7.23
8000.0	8.97	24.32	10.05	17.01	2.57	1.06	17.99	6.45	7.36
8250.0	8.85	24.00	10.33	15.55	2.51	1.05	17.61	5.81	7.41
8500.0	8.73	23.69	9.85	13.34	2.42	1.04	17.03	5.05	7.82
8750.0	8.53	23.53	10.23	14.60	2.49	1.04	16.65	5.01	7.66
9000.0	8.26	23.19	8.74	11.16	2.31	1.04	16.94	4.94	7.90