

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: Vd = 5.00V, Id = 57mA @ Temperature = +25°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	Measure			
200	16.55	32.15	2.44	5.75	1.30	1.04	26.00	13.07	3.70
400	21.10	27.25	9.51	21.83	1.14	0.87	28.76	15.84	2.03
600	21.83	26.38	17.20	18.28	1.10	0.67	29.60	18.21	1.72
800	21.98	26.16	24.75	14.88	1.09	0.59	30.64	19.71	1.40
1000	22.01	26.09	27.10	13.84	1.09	0.56	30.09	20.42	1.37
1200	21.99	26.06	24.12	13.54	1.09	0.55	32.06	20.45	1.30
1400	21.96	26.08	21.59	13.59	1.09	0.56	31.62	20.42	1.30
1600	21.90	26.13	19.63	13.92	1.09	0.58	31.65	20.36	1.18
1800	21.83	26.16	18.39	14.47	1.09	0.60	30.40	20.32	1.27
2000	21.78	26.17	17.23	15.12	1.10	0.62	30.19	20.37	1.27
2200	21.73	26.21	16.13	15.88	1.10	0.64	30.64	19.97	1.34
2400	21.65	26.27	15.32	16.66	1.10	0.66	30.85	20.02	1.27
2600	21.55	26.34	14.59	17.82	1.11	0.69	30.59	20.00	1.30
2800	21.45	26.43	14.03	19.11	1.12	0.72	30.45	19.58	1.35
3000	21.36	26.49	13.40	20.66	1.12	0.74	29.91	19.54	1.42
3200	21.31	26.52	12.78	21.84	1.12	0.76	29.92	19.08	1.41
3400	21.25	26.54	12.25	22.39	1.12	0.77	28.34	18.51	1.45
3600	21.18	26.60	11.85	22.24	1.12	0.79	28.28	18.71	1.38
3800	21.10	26.66	11.45	21.68	1.12	0.81	29.87	19.06	1.45
4000	21.01	26.73	11.15	20.70	1.12	0.83	29.04	18.64	1.39
4200	20.92	26.80	10.89	19.62	1.12	0.84	28.01	18.49	1.48
4400	20.82	26.86	10.69	18.49	1.12	0.85	28.49	18.41	1.48
4600	20.74	26.96	10.46	17.42	1.13	0.86	27.65	18.22	1.52
4800	20.64	27.00	10.31	16.47	1.13	0.87	28.35	18.41	1.44
5000	20.56	27.07	10.16	15.68	1.13	0.88	28.45	18.79	1.59
5200	20.46	27.16	10.04	14.96	1.14	0.88	26.76	19.04	1.48
5400	20.37	27.21	9.92	14.38	1.14	0.89	28.22	19.29	1.54
5600	20.29	27.27	9.81	13.76	1.14	0.89	28.56	18.72	1.57
5800	20.21	27.36	9.70	13.17	1.14	0.90	27.55	18.72	1.57
6000	20.11	27.41	9.58	12.67	1.15	0.90	28.64	18.79	1.63
6200	20.02	27.53	9.44	12.14	1.15	0.91	27.83	18.80	1.65
6400	19.90	27.60	9.25	11.63	1.15	0.92	27.59	18.12	1.84
6600	19.72	27.75	9.01	11.19	1.15	0.93	26.75	17.98	1.79
6800	19.48	27.92	8.55	11.48	1.17	0.97	26.40	17.99	1.79
7000	19.52	27.85	8.41	11.20	1.15	0.97	27.66	18.04	1.80
7200	19.39	27.92	8.14	10.74	1.14	0.97	27.62	17.83	1.94
7400	19.23	28.00	7.79	10.34	1.13	0.99	26.58	17.61	1.96
7600	19.03	28.13	7.39	10.01	1.13	1.01	25.87	17.36	1.96
7800	18.80	28.26	7.00	9.70	1.12	1.03	26.44	17.51	2.02
8000	18.54	28.35	6.58	9.40	1.11	1.05	26.52	17.27	2.11
8200	18.24	28.50	6.14	9.12	1.11	1.07	26.20	16.71	2.19
8400	17.89	28.63	5.70	8.89	1.10	1.10	25.58	16.79	2.26
8600	17.50	28.81	5.31	8.65	1.11	1.13	25.84	16.93	2.36
8800	17.05	28.99	4.89	8.49	1.11	1.15	25.73	16.40	2.50
9000	16.54	29.19	4.54	8.39	1.14	1.18	24.52	15.86	2.67
10000	13.02	30.79	3.31	6.33	1.40	1.17	22.03	14.82	3.82



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IF/RF MICROWAVE COMPONENTS

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: Vd = 4.75V, Id = 53mA @ 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)
200	16.17	31.90	2.39	5.70	1.31	1.03	24.86	12.24	3.56
400	20.76	26.99	9.22	21.48	1.14	0.87	27.33	15.13	1.89
600	21.51	26.08	16.66	19.59	1.10	0.67	27.92	17.65	1.62
800	21.67	25.86	24.80	15.73	1.09	0.60	29.08	19.30	1.29
1000	21.71	25.78	30.42	14.57	1.09	0.57	29.01	20.03	1.19
1200	21.70	25.75	25.86	14.24	1.09	0.56	29.87	20.06	1.21
1400	21.66	25.77	22.36	14.28	1.09	0.57	29.64	20.16	1.17
1600	21.60	25.81	19.94	14.64	1.09	0.59	29.68	19.98	1.03
1800	21.53	25.85	18.45	15.22	1.09	0.61	29.07	19.95	1.17
2000	21.49	25.87	17.13	15.92	1.10	0.63	28.43	20.11	1.19
2200	21.43	25.92	15.95	16.77	1.10	0.65	28.89	19.60	1.18
2400	21.35	25.97	15.08	17.61	1.10	0.67	29.31	19.78	1.23
2600	21.25	26.05	14.31	18.89	1.11	0.70	29.02	19.77	1.24
2800	21.15	26.14	13.73	20.30	1.12	0.73	28.66	19.22	1.27
3000	21.06	26.20	13.08	21.92	1.12	0.75	28.67	19.18	1.30
3200	21.01	26.25	12.46	22.98	1.12	0.77	28.57	18.71	1.29
3400	20.95	26.30	11.94	23.11	1.12	0.79	27.42	18.28	1.37
3600	20.88	26.35	11.54	22.47	1.11	0.80	27.43	18.21	1.27
3800	20.80	26.39	11.15	21.51	1.11	0.82	28.61	18.71	1.32
4000	20.72	26.47	10.84	20.30	1.11	0.83	27.76	18.28	1.28
4200	20.62	26.52	10.59	19.12	1.11	0.84	26.78	18.00	1.34
4400	20.54	26.64	10.39	17.96	1.12	0.86	27.29	17.80	1.33
4600	20.45	26.71	10.16	16.89	1.12	0.87	26.58	17.60	1.42
4800	20.36	26.76	10.02	15.95	1.12	0.87	26.84	17.94	1.40
5000	20.28	26.85	9.88	15.19	1.13	0.88	27.15	18.34	1.47
5200	20.19	26.91	9.77	14.50	1.13	0.89	25.76	18.60	1.39
5400	20.10	26.99	9.65	13.94	1.13	0.89	26.85	18.87	1.49
5600	20.03	27.04	9.54	13.36	1.13	0.90	27.46	18.30	1.45
5800	19.95	27.14	9.44	12.80	1.14	0.90	26.12	18.32	1.43
6000	19.86	27.20	9.33	12.32	1.14	0.91	27.33	18.40	1.55
6200	19.77	27.32	9.20	11.82	1.14	0.91	27.06	18.53	1.61
6400	19.65	27.40	9.02	11.33	1.14	0.92	26.26	17.74	1.71
6600	19.48	27.58	8.78	10.92	1.15	0.94	25.67	17.60	1.71
6800	19.25	27.73	8.34	11.23	1.16	0.97	25.23	17.74	1.76
7000	19.30	27.64	8.22	10.96	1.14	0.97	26.16	17.69	1.71
7200	19.17	27.72	7.96	10.51	1.13	0.98	26.80	17.60	1.85
7400	19.01	27.83	7.62	10.13	1.13	0.99	25.95	17.39	1.83
7600	18.81	27.96	7.23	9.82	1.12	1.01	24.83	17.02	1.90
7800	18.59	28.04	6.86	9.52	1.11	1.03	25.48	17.31	1.94
8000	18.34	28.20	6.45	9.24	1.10	1.05	25.51	16.95	2.07
8200	18.04	28.31	6.02	8.97	1.09	1.08	25.45	16.52	2.11
8400	17.69	28.51	5.60	8.76	1.10	1.10	24.79	16.49	2.17
8600	17.31	28.66	5.22	8.53	1.10	1.13	24.90	16.63	2.30
8800	16.86	28.85	4.80	8.37	1.10	1.15	25.14	16.10	2.39
9000	16.35	29.09	4.47	8.28	1.13	1.18	23.92	15.44	2.59
10000	12.83	30.70	3.27	6.25	1.39	1.17	21.44	14.11	3.77



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: Vd = 5.25V, Id = 61mA @ 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)
200	16.86	32.40	2.46	5.77	1.30	1.04	26.99	13.70	3.74
400	21.41	27.49	9.64	21.80	1.13	0.86	30.32	16.46	2.01
600	22.11	26.65	17.42	17.62	1.10	0.66	30.94	18.93	1.71
800	22.26	26.44	24.61	14.45	1.09	0.58	32.12	20.14	1.40
1000	22.29	26.37	25.99	13.45	1.09	0.55	31.15	20.71	1.34
1200	22.27	26.34	23.36	13.17	1.08	0.55	32.66	20.74	1.29
1400	22.23	26.36	21.18	13.23	1.09	0.56	33.78	20.83	1.32
1600	22.17	26.37	19.42	13.55	1.09	0.57	33.15	20.65	1.21
1800	22.10	26.41	18.27	14.08	1.09	0.59	31.38	20.60	1.29
2000	22.05	26.46	17.19	14.71	1.10	0.61	31.95	20.65	1.24
2200	22.00	26.48	16.14	15.46	1.10	0.63	32.36	20.25	1.37
2400	21.91	26.54	15.35	16.21	1.10	0.66	31.01	20.30	1.34
2600	21.81	26.60	14.65	17.30	1.11	0.69	31.56	20.28	1.32
2800	21.70	26.67	14.12	18.57	1.12	0.71	32.40	19.98	1.36
3000	21.62	26.73	13.48	20.04	1.12	0.74	31.15	19.83	1.43
3200	21.57	26.73	12.88	21.28	1.12	0.75	32.00	19.48	1.38
3400	21.50	26.77	12.35	21.97	1.12	0.77	29.73	18.92	1.55
3600	21.42	26.81	11.94	22.05	1.12	0.79	30.31	19.12	1.43
3800	21.34	26.88	11.55	21.70	1.12	0.81	31.42	19.46	1.44
4000	21.25	26.95	11.24	20.88	1.12	0.82	30.68	19.04	1.39
4200	21.15	27.00	10.98	19.89	1.12	0.84	30.06	18.90	1.47
4400	21.05	27.07	10.79	18.79	1.13	0.85	29.70	18.82	1.47
4600	20.96	27.15	10.55	17.73	1.13	0.86	29.13	18.62	1.48
4800	20.86	27.20	10.40	16.76	1.13	0.87	29.65	18.80	1.43
5000	20.77	27.29	10.26	15.94	1.14	0.88	29.65	19.04	1.55
5200	20.67	27.34	10.14	15.21	1.14	0.88	28.21	19.28	1.44
5400	20.57	27.42	10.01	14.60	1.14	0.89	29.53	19.53	1.57
5600	20.49	27.49	9.90	13.98	1.15	0.89	30.11	18.96	1.55
5800	20.40	27.57	9.79	13.37	1.15	0.90	28.67	18.84	1.57
6000	20.30	27.62	9.68	12.84	1.15	0.91	29.21	19.01	1.61
6200	20.20	27.69	9.53	12.31	1.15	0.91	29.15	19.02	1.68
6400	20.07	27.81	9.34	11.77	1.15	0.92	28.43	18.34	1.84
6600	19.89	27.96	9.09	11.31	1.16	0.93	28.06	18.19	1.78
6800	19.64	28.10	8.62	11.59	1.18	0.97	27.11	18.19	1.83
7000	19.68	28.01	8.47	11.32	1.15	0.97	28.38	18.12	1.75
7200	19.54	28.07	8.20	10.84	1.15	0.98	28.26	18.03	1.92
7400	19.37	28.17	7.84	10.43	1.14	0.99	28.10	17.80	1.91
7600	19.16	28.29	7.44	10.09	1.14	1.01	26.59	17.54	1.96
7800	18.93	28.37	7.05	9.77	1.13	1.03	27.18	17.69	2.05
8000	18.66	28.49	6.63	9.46	1.12	1.05	27.11	17.45	2.12
8200	18.36	28.63	6.18	9.18	1.11	1.08	26.95	17.00	2.17
8400	18.00	28.75	5.74	8.95	1.11	1.10	26.46	16.96	2.22
8600	17.61	28.92	5.35	8.71	1.11	1.13	26.57	17.09	2.35
8800	17.16	29.08	4.92	8.54	1.11	1.16	26.55	16.57	2.51
9000	16.64	29.28	4.57	8.44	1.14	1.18	25.26	16.04	2.61
10000	13.12	30.82	3.33	6.38	1.40	1.18	22.82	14.98	3.83

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: Vd = 5.00V, Id = 66mA @ 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)
200	16.71	30.20	3.23	6.53	1.24	1.03	27.78	13.27	2.77
400	20.45	26.10	14.57	14.03	1.12	0.75	28.93	15.88	1.56
600	20.70	25.70	14.81	9.84	1.09	0.56	29.09	18.81	1.33
800	20.70	25.62	12.78	8.64	1.08	0.50	30.37	19.94	1.09
1000	20.67	25.62	11.95	8.21	1.08	0.47	31.11	20.18	1.03
1200	20.67	25.60	11.64	8.08	1.08	0.46	30.55	20.33	0.99
1400	20.66	25.57	11.64	8.13	1.08	0.46	31.14	20.43	0.99
1600	20.66	25.60	11.80	8.24	1.08	0.47	31.11	20.37	0.85
1800	20.65	25.58	12.06	8.48	1.09	0.48	31.51	20.34	0.95
2000	20.68	25.54	12.35	8.72	1.09	0.49	32.94	20.44	0.86
2200	20.72	25.50	12.74	8.99	1.09	0.50	30.55	20.12	0.99
2400	20.73	25.47	13.20	9.34	1.09	0.51	30.91	20.36	0.95
2600	20.73	25.52	13.66	9.74	1.09	0.53	30.69	20.28	0.92
2800	20.71	25.54	14.27	10.31	1.10	0.55	30.08	20.01	1.00
3000	20.74	25.50	15.17	10.99	1.11	0.56	30.67	19.94	1.01
3200	20.81	25.47	15.82	11.44	1.10	0.57	29.63	19.54	0.98
3400	20.86	25.43	16.34	11.84	1.10	0.57	29.47	19.08	1.04
3600	20.88	25.40	16.76	12.22	1.09	0.58	30.33	19.35	0.98
3800	20.89	25.42	17.25	12.69	1.10	0.59	29.44	19.43	1.01
4000	20.90	25.42	17.74	13.17	1.10	0.60	29.32	18.97	0.93
4200	20.89	25.45	18.25	13.64	1.10	0.61	29.99	18.67	1.00
4400	20.90	25.50	18.78	14.24	1.10	0.63	29.97	18.59	1.02
4600	20.91	25.50	19.29	14.83	1.10	0.63	29.01	18.16	1.08
4800	20.91	25.57	19.63	15.37	1.11	0.65	29.29	18.29	1.01
5000	20.91	25.61	19.79	15.89	1.11	0.66	30.10	18.50	1.10
5200	20.90	25.63	19.98	16.28	1.11	0.66	29.48	18.45	1.01
5400	20.91	25.69	19.93	16.73	1.12	0.67	30.80	19.10	1.08
5600	20.91	25.74	19.83	17.10	1.12	0.68	29.34	18.63	1.05
5800	20.93	25.79	19.67	17.49	1.12	0.68	29.20	18.31	1.11
6000	20.94	25.86	19.17	17.74	1.13	0.69	30.45	18.96	1.20
6200	20.95	25.91	18.90	17.83	1.13	0.69	29.97	18.96	1.16
6400	20.95	26.01	18.36	17.85	1.13	0.70	28.76	18.17	1.28
6600	20.93	26.14	17.74	17.74	1.14	0.72	28.47	17.98	1.30
6800	20.78	26.41	16.58	16.56	1.16	0.75	27.70	17.90	1.27
7000	20.85	26.39	15.47	18.66	1.15	0.76	29.37	18.39	1.26
7200	20.91	26.46	14.99	18.60	1.15	0.76	29.23	18.60	1.41
7400	20.89	26.58	14.13	18.20	1.15	0.77	28.66	18.32	1.36
7600	20.82	26.78	13.05	17.55	1.16	0.80	27.15	17.93	1.38
7800	20.76	26.97	12.08	16.88	1.16	0.82	27.87	18.48	1.44
8000	20.67	27.15	11.02	16.19	1.16	0.85	27.92	18.22	1.54
8200	20.53	27.40	10.00	15.45	1.16	0.89	28.40	17.66	1.56
8400	20.35	27.69	9.03	14.55	1.17	0.93	27.67	17.93	1.62
8600	20.10	27.99	8.06	13.63	1.17	0.97	27.79	18.36	1.74
8800	19.82	28.28	7.16	12.62	1.16	1.01	27.82	17.56	1.78
9000	19.44	28.73	6.38	11.77	1.18	1.06	26.60	16.66	1.90
10000	16.14	31.39	3.75	6.80	1.31	1.13	24.08	15.65	2.90



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IF/RF MICROWAVE COMPONENTS

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: Vd = 4.75V, Id = 61mA @ 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)
200	16.42	30.03	3.14	6.53	1.25	1.03	26.56	12.53	2.75
400	20.21	25.89	14.15	14.81	1.12	0.77	28.49	15.14	1.54
600	20.50	25.43	15.42	10.30	1.09	0.57	28.61	18.51	1.37
800	20.51	25.36	13.38	9.03	1.09	0.51	30.84	19.51	1.04
1000	20.49	25.31	12.49	8.56	1.08	0.48	30.89	19.86	1.04
1200	20.48	25.33	12.15	8.42	1.08	0.47	31.93	20.01	1.00
1400	20.48	25.33	12.15	8.47	1.08	0.48	32.40	20.11	0.97
1600	20.47	25.34	12.29	8.59	1.09	0.48	31.45	19.95	0.89
1800	20.46	25.31	12.56	8.84	1.09	0.49	31.76	20.04	0.92
2000	20.49	25.28	12.83	9.09	1.09	0.50	32.75	20.02	0.87
2200	20.52	25.26	13.21	9.38	1.09	0.51	31.09	19.70	1.01
2400	20.54	25.26	13.66	9.74	1.09	0.52	30.75	19.83	0.92
2600	20.53	25.28	14.10	10.16	1.10	0.54	30.48	19.85	0.98
2800	20.51	25.32	14.70	10.76	1.11	0.56	30.14	19.47	1.00
3000	20.53	25.31	15.56	11.47	1.11	0.58	30.77	19.52	1.02
3200	20.60	25.26	16.14	11.94	1.10	0.58	29.34	19.12	0.99
3400	20.64	25.23	16.57	12.37	1.10	0.59	28.47	18.68	1.02
3600	20.67	25.23	16.88	12.75	1.10	0.60	30.22	18.82	0.94
3800	20.68	25.23	17.26	13.23	1.10	0.61	29.42	18.92	1.04
4000	20.68	25.27	17.62	13.72	1.10	0.62	29.94	18.46	0.95
4200	20.68	25.30	18.02	14.17	1.10	0.63	29.24	18.04	1.00
4400	20.68	25.33	18.36	14.76	1.10	0.64	29.30	17.95	1.02
4600	20.69	25.37	18.71	15.31	1.11	0.65	28.63	17.40	1.07
4800	20.70	25.39	18.89	15.81	1.11	0.66	29.25	17.65	1.03
5000	20.69	25.46	18.93	16.26	1.11	0.67	29.46	17.88	1.07
5200	20.68	25.51	19.00	16.56	1.12	0.68	28.10	17.98	1.00
5400	20.69	25.56	18.92	16.93	1.12	0.68	29.53	18.63	1.09
5600	20.70	25.64	18.79	17.17	1.12	0.69	29.23	18.06	1.09
5800	20.72	25.67	18.60	17.41	1.12	0.69	28.28	17.88	1.08
6000	20.73	25.73	18.18	17.52	1.12	0.70	29.40	18.54	1.19
6200	20.75	25.82	17.95	17.49	1.13	0.71	29.65	18.54	1.17
6400	20.75	25.89	17.45	17.39	1.13	0.71	28.18	17.64	1.29
6600	20.73	26.04	16.91	17.18	1.14	0.73	27.62	17.57	1.27
6800	20.57	26.27	15.84	16.06	1.15	0.75	26.31	17.51	1.26
7000	20.65	26.28	14.88	18.04	1.15	0.77	28.41	18.01	1.28
7200	20.71	26.34	14.43	17.82	1.15	0.77	28.70	18.13	1.40
7400	20.69	26.49	13.63	17.40	1.15	0.79	27.64	17.86	1.37
7600	20.63	26.69	12.62	16.82	1.15	0.81	26.36	17.60	1.45
7800	20.57	26.87	11.72	16.23	1.16	0.83	27.06	18.05	1.45
8000	20.48	27.07	10.71	15.62	1.16	0.86	26.89	17.81	1.56
8200	20.35	27.29	9.73	14.99	1.16	0.90	27.41	17.37	1.59
8400	20.17	27.59	8.79	14.18	1.16	0.94	26.56	17.65	1.60
8600	19.92	27.89	7.87	13.34	1.16	0.98	26.50	18.10	1.74
8800	19.64	28.20	7.00	12.40	1.15	1.02	27.22	17.30	1.80
9000	19.26	28.64	6.24	11.59	1.17	1.07	26.06	16.29	1.97
10000	15.96	31.34	3.68	6.76	1.31	1.13	23.41	15.41	2.90

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: Vd = 5.25V, Id = 71mA @ 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)
200	16.98	30.33	3.29	6.51	1.23	1.02	28.82	13.91	2.80
400	20.67	26.29	14.88	13.42	1.11	0.74	29.63	16.41	1.58
600	20.90	25.93	14.34	9.47	1.09	0.55	29.36	19.17	1.35
800	20.89	25.88	12.33	8.34	1.08	0.49	30.58	20.30	1.09
1000	20.85	25.86	11.53	7.93	1.08	0.46	31.10	20.64	1.06
1200	20.85	25.84	11.24	7.80	1.08	0.45	30.11	20.81	0.96
1400	20.85	25.83	11.26	7.85	1.08	0.46	30.81	20.91	1.02
1600	20.84	25.82	11.42	7.96	1.08	0.46	30.56	20.86	0.87
1800	20.84	25.81	11.69	8.20	1.08	0.47	30.70	20.83	0.93
2000	20.87	25.77	11.98	8.42	1.08	0.48	31.67	20.93	0.89
2200	20.91	25.74	12.37	8.69	1.08	0.49	29.96	20.73	1.03
2400	20.93	25.70	12.84	9.02	1.09	0.50	30.35	20.84	0.89
2600	20.92	25.72	13.31	9.40	1.09	0.51	30.91	20.76	0.97
2800	20.90	25.73	13.93	9.95	1.10	0.54	30.28	20.49	1.02
3000	20.93	25.71	14.83	10.60	1.10	0.55	30.63	20.42	1.05
3200	21.01	25.62	15.54	11.03	1.10	0.55	29.57	20.01	0.95
3400	21.06	25.58	16.11	11.43	1.09	0.56	29.68	19.54	1.03
3600	21.08	25.59	16.59	11.79	1.09	0.57	30.83	19.81	0.94
3800	21.09	25.59	17.16	12.26	1.09	0.58	29.65	19.88	1.03
4000	21.10	25.58	17.75	12.74	1.09	0.59	29.80	19.42	0.96
4200	21.10	25.63	18.36	13.21	1.10	0.60	30.52	19.11	1.03
4400	21.10	25.64	19.01	13.83	1.10	0.61	30.17	19.03	1.00
4600	21.11	25.66	19.69	14.43	1.10	0.62	30.21	18.60	1.03
4800	21.11	25.68	20.17	15.01	1.10	0.63	30.22	18.84	0.98
5000	21.11	25.71	20.47	15.58	1.11	0.64	30.74	18.92	1.06
5200	21.10	25.76	20.74	16.01	1.11	0.65	30.42	18.98	1.00
5400	21.10	25.82	20.80	16.54	1.12	0.66	31.53	19.50	1.09
5600	21.11	25.87	20.71	17.01	1.12	0.67	30.24	19.14	1.06
5800	21.12	25.88	20.54	17.50	1.12	0.67	29.77	18.81	1.09
6000	21.14	25.97	20.02	17.88	1.12	0.68	30.83	19.35	1.17
6200	21.14	26.03	19.72	18.09	1.13	0.68	31.79	19.44	1.14
6400	21.14	26.12	19.10	18.23	1.13	0.69	29.52	18.53	1.32
6600	21.12	26.23	18.42	18.21	1.14	0.71	29.24	18.46	1.26
6800	20.96	26.50	17.18	17.02	1.16	0.74	28.79	18.37	1.27
7000	21.02	26.50	15.93	19.19	1.15	0.75	30.03	18.84	1.26
7200	21.08	26.53	15.42	19.29	1.15	0.75	29.99	18.92	1.37
7400	21.06	26.68	14.51	18.89	1.15	0.77	29.65	18.63	1.33
7600	20.99	26.88	13.37	18.19	1.16	0.79	27.80	18.34	1.36
7800	20.93	27.06	12.37	17.45	1.16	0.82	28.80	18.76	1.41
8000	20.83	27.25	11.26	16.63	1.16	0.85	28.93	18.50	1.53
8200	20.69	27.49	10.19	15.82	1.17	0.88	28.67	17.92	1.58
8400	20.51	27.78	9.19	14.84	1.17	0.92	28.07	18.16	1.65
8600	20.26	28.05	8.20	13.85	1.17	0.96	27.68	18.58	1.75
8800	19.97	28.37	7.28	12.80	1.16	1.01	28.54	17.78	1.79
9000	19.59	28.78	6.48	11.89	1.18	1.05	27.04	16.87	1.89
10000	16.29	31.38	3.80	6.84	1.30	1.13	24.98	15.87	2.83

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: Vd = 5.00V, Id = 44mA @ Temperature = +105°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)
200	15.38	33.61	1.85	4.74	1.39	0.99	24.37	14.23	4.66
400	20.54	28.09	6.11	12.26	1.16	0.91	26.34	16.29	2.54
600	21.70	26.83	10.25	19.64	1.12	0.74	27.10	18.22	2.12
800	22.03	26.42	13.39	25.35	1.10	0.67	27.90	19.53	1.70
1000	22.12	26.28	14.98	28.32	1.09	0.64	27.38	20.27	1.67
1200	22.10	26.26	14.94	29.55	1.09	0.65	27.83	20.12	1.64
1400	22.03	26.26	14.02	29.72	1.09	0.66	27.78	20.20	1.65
1600	21.91	26.33	12.88	29.10	1.09	0.69	27.94	20.04	1.50
1800	21.78	26.40	11.89	27.29	1.09	0.72	27.52	20.26	1.59
2000	21.65	26.43	11.04	25.46	1.08	0.74	27.23	20.47	1.61
2200	21.50	26.51	10.25	23.57	1.08	0.77	27.68	19.94	1.71
2400	21.34	26.63	9.62	22.01	1.09	0.81	27.54	20.01	1.67
2600	21.15	26.73	9.07	20.59	1.09	0.84	27.78	19.94	1.73
2800	20.96	26.84	8.59	19.20	1.09	0.86	27.41	19.62	1.78
3000	20.78	26.94	8.16	17.85	1.09	0.89	27.55	19.60	1.85
3200	20.62	27.00	7.79	16.64	1.09	0.91	26.98	19.34	1.83
3400	20.47	27.07	7.49	15.66	1.09	0.93	26.30	19.45	1.98
3600	20.30	27.14	7.24	14.78	1.08	0.95	26.42	19.54	1.87
3800	20.13	27.19	7.04	14.00	1.08	0.96	27.80	19.10	1.99
4000	19.96	27.27	6.87	13.30	1.08	0.98	26.88	19.13	1.93
4200	19.79	27.32	6.73	12.69	1.08	0.99	26.13	19.26	2.01
4400	19.61	27.39	6.62	12.10	1.08	1.00	26.30	18.87	2.03
4600	19.45	27.45	6.51	11.57	1.08	1.00	25.90	18.87	2.15
4800	19.27	27.49	6.45	11.08	1.08	1.01	26.06	18.79	2.13
5000	19.10	27.53	6.39	10.62	1.07	1.01	26.17	18.78	2.20
5200	18.93	27.58	6.33	10.22	1.07	1.02	24.91	19.02	2.08
5400	18.75	27.59	6.28	9.83	1.07	1.02	26.19	18.70	2.18
5600	18.58	27.64	6.21	9.45	1.07	1.02	26.46	18.17	2.23
5800	18.40	27.67	6.15	9.08	1.06	1.02	25.33	18.23	2.28
6000	18.21	27.69	6.09	8.75	1.06	1.02	25.84	17.83	2.41
6200	18.01	27.71	6.00	8.45	1.05	1.03	25.72	17.73	2.33
6400	17.78	27.76	5.91	8.17	1.04	1.03	24.61	17.30	2.50
6600	17.51	27.82	5.77	8.17	1.05	1.05	24.17	17.10	2.46
6800	17.40	27.70	5.70	8.12	1.04	1.06	23.71	16.82	2.49
7000	17.23	27.61	5.61	7.83	1.02	1.05	24.23	16.54	2.52
7200	16.99	27.63	5.51	7.59	1.01	1.06	24.34	16.33	2.65
7400	16.72	27.61	5.37	7.42	1.00	1.06	23.76	16.17	2.63
7600	16.42	27.63	5.20	7.27	1.00	1.07	22.97	16.13	2.69
7800	16.09	27.65	5.03	7.16	1.00	1.08	23.17	16.07	2.76
8000	15.73	27.68	4.87	7.07	1.01	1.10	23.15	15.92	2.91
8200	15.32	27.74	4.69	6.99	1.03	1.11	23.02	15.87	2.97
8400	14.87	27.80	4.51	6.94	1.05	1.12	22.49	16.02	3.14
8600	14.37	27.89	4.34	6.93	1.09	1.14	22.34	16.21	3.21
8800	13.81	28.06	4.16	7.02	1.16	1.15	22.44	15.72	3.38
9000	13.15	28.30	4.01	7.19	1.27	1.17	21.55	15.80	3.61
10000	9.51	29.68	3.25	6.13	1.81	1.16	19.04	15.79	4.99

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: Vd = 4.75V, Id = 41mA @ Temperature = +105°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)
200	14.98	33.32	1.83	4.69	1.39	0.98	23.69	13.97	4.70
400	20.16	27.81	5.97	11.85	1.16	0.91	25.85	16.19	2.55
600	21.34	26.53	9.98	18.57	1.12	0.74	26.20	18.30	2.17
800	21.68	26.13	12.97	23.55	1.10	0.67	27.14	19.47	1.76
1000	21.77	26.00	14.47	26.41	1.10	0.65	26.45	20.08	1.69
1200	21.76	25.95	14.47	27.70	1.09	0.65	26.99	20.06	1.67
1400	21.69	25.98	13.63	27.81	1.09	0.67	27.18	20.14	1.67
1600	21.58	26.04	12.57	26.95	1.09	0.69	26.71	19.86	1.47
1800	21.44	26.11	11.62	25.36	1.09	0.72	26.49	20.22	1.61
2000	21.32	26.18	10.80	23.73	1.09	0.75	26.50	20.29	1.58
2200	21.17	26.26	10.05	22.16	1.09	0.78	26.59	19.89	1.77
2400	21.01	26.33	9.43	20.81	1.09	0.81	27.05	19.83	1.70
2600	20.82	26.44	8.90	19.57	1.09	0.84	26.56	19.77	1.73
2800	20.63	26.57	8.43	18.33	1.09	0.87	26.48	19.45	1.85
3000	20.46	26.63	8.00	17.13	1.09	0.89	26.56	19.42	1.89
3200	20.30	26.72	7.64	16.02	1.09	0.91	26.24	19.15	1.83
3400	20.15	26.80	7.35	15.11	1.08	0.93	25.62	19.29	2.01
3600	19.99	26.85	7.11	14.29	1.08	0.95	25.49	19.37	1.96
3800	19.83	26.93	6.90	13.57	1.08	0.96	26.50	18.79	1.95
4000	19.66	26.99	6.74	12.90	1.07	0.97	25.99	18.94	1.95
4200	19.49	27.06	6.61	12.33	1.07	0.99	25.18	19.08	2.05
4400	19.32	27.14	6.50	11.78	1.07	0.99	25.52	18.69	2.08
4600	19.16	27.21	6.40	11.27	1.07	1.00	24.89	18.70	2.13
4800	18.98	27.24	6.33	10.80	1.07	1.01	25.04	18.50	2.09
5000	18.82	27.30	6.27	10.37	1.07	1.01	25.20	18.61	2.22
5200	18.65	27.32	6.22	9.99	1.06	1.02	24.22	18.87	2.11
5400	18.48	27.35	6.16	9.62	1.06	1.02	24.99	18.42	2.23
5600	18.31	27.39	6.10	9.25	1.06	1.02	25.67	17.89	2.26
5800	18.14	27.43	6.04	8.89	1.05	1.02	24.56	18.08	2.29
6000	17.96	27.43	5.98	8.57	1.04	1.02	25.17	17.69	2.45
6200	17.76	27.46	5.90	8.28	1.04	1.02	24.82	17.59	2.39
6400	17.54	27.51	5.81	8.02	1.03	1.03	24.14	17.05	2.52
6600	17.27	27.58	5.67	8.02	1.04	1.05	23.47	16.98	2.55
6800	17.16	27.47	5.60	7.98	1.02	1.06	23.17	16.84	2.54
7000	17.00	27.40	5.52	7.70	1.01	1.05	23.63	16.44	2.56
7200	16.77	27.39	5.42	7.47	1.00	1.05	23.78	16.09	2.68
7400	16.50	27.39	5.29	7.30	0.99	1.06	23.09	16.08	2.73
7600	16.20	27.41	5.13	7.17	0.99	1.07	22.22	16.04	2.76
7800	15.89	27.43	4.97	7.06	0.99	1.08	22.51	15.98	2.82
8000	15.52	27.47	4.80	6.97	1.00	1.09	22.45	15.71	2.95
8200	15.12	27.54	4.62	6.89	1.02	1.10	22.49	15.65	3.05
8400	14.67	27.62	4.45	6.85	1.04	1.12	21.90	15.81	3.10
8600	14.18	27.72	4.29	6.84	1.08	1.13	21.87	15.86	3.26
8800	13.62	27.90	4.11	6.93	1.15	1.15	22.08	15.50	3.47
9000	12.96	28.16	3.97	7.10	1.27	1.17	21.08	15.45	3.62
10000	9.33	29.55	3.23	6.05	1.80	1.15	18.70	15.73	5.07

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: Vd = 5.25V, Id = 47mA @ Temperature = +105°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)
200	15.75	33.78	1.88	4.81	1.37	0.99	25.06	14.58	4.62
400	20.90	28.29	6.24	12.67	1.15	0.91	26.99	16.76	2.54
600	22.03	27.09	10.51	20.87	1.11	0.74	27.84	18.52	2.10
800	22.35	26.69	13.80	27.42	1.10	0.66	28.51	19.55	1.70
1000	22.44	26.57	15.50	29.80	1.09	0.64	28.17	20.28	1.63
1200	22.42	26.52	15.42	30.40	1.09	0.64	28.80	20.26	1.60
1400	22.34	26.54	14.40	30.82	1.09	0.66	28.79	20.34	1.64
1600	22.22	26.59	13.19	30.84	1.09	0.69	28.80	20.18	1.49
1800	22.09	26.66	12.15	29.37	1.09	0.71	28.18	20.39	1.54
2000	21.96	26.72	11.26	27.29	1.09	0.74	27.85	20.47	1.60
2200	21.80	26.80	10.45	25.13	1.09	0.77	28.38	20.07	1.73
2400	21.64	26.90	9.81	23.32	1.09	0.80	28.14	20.14	1.68
2600	21.44	26.99	9.25	21.69	1.09	0.83	27.93	20.07	1.78
2800	21.25	27.12	8.76	20.11	1.10	0.86	28.16	19.74	1.76
3000	21.07	27.17	8.31	18.63	1.09	0.89	27.92	19.73	1.86
3200	20.91	27.25	7.93	17.29	1.09	0.91	28.09	19.47	1.82
3400	20.75	27.32	7.63	16.22	1.09	0.93	27.37	19.56	1.97
3600	20.59	27.38	7.38	15.28	1.09	0.95	27.26	19.65	1.85
3800	20.41	27.42	7.17	14.45	1.08	0.96	28.49	19.36	1.97
4000	20.23	27.48	6.99	13.70	1.08	0.97	27.60	19.37	1.90
4200	20.06	27.56	6.86	13.05	1.08	0.99	26.92	19.50	1.96
4400	19.88	27.61	6.75	12.42	1.08	1.00	27.42	19.10	2.05
4600	19.71	27.69	6.64	11.86	1.08	1.00	26.85	19.10	2.12
4800	19.53	27.69	6.57	11.35	1.08	1.01	26.81	19.02	2.06
5000	19.36	27.75	6.51	10.87	1.08	1.01	26.74	19.11	2.13
5200	19.18	27.80	6.45	10.45	1.08	1.02	25.75	19.22	2.08
5400	19.00	27.81	6.40	10.05	1.08	1.02	27.00	18.90	2.15
5600	18.82	27.89	6.33	9.66	1.08	1.02	27.24	18.38	2.22
5800	18.64	27.83	6.27	9.27	1.07	1.02	25.90	18.43	2.24
6000	18.44	27.88	6.20	8.93	1.06	1.03	26.67	18.03	2.38
6200	18.24	27.87	6.12	8.61	1.06	1.03	26.21	17.91	2.28
6400	18.00	27.95	6.02	8.32	1.05	1.03	25.40	17.48	2.48
6600	17.73	28.00	5.88	8.31	1.06	1.05	24.86	17.39	2.46
6800	17.61	27.88	5.80	8.26	1.05	1.06	24.35	16.99	2.51
7000	17.43	27.81	5.71	7.95	1.03	1.06	24.96	16.71	2.51
7200	17.19	27.79	5.60	7.71	1.02	1.06	25.02	16.49	2.61
7400	16.91	27.82	5.46	7.53	1.02	1.07	24.22	16.34	2.58
7600	16.60	27.82	5.28	7.38	1.02	1.08	23.35	16.29	2.72
7800	16.28	27.81	5.11	7.26	1.01	1.09	23.63	16.35	2.77
8000	15.91	27.82	4.94	7.17	1.02	1.10	23.41	16.21	2.92
8200	15.50	27.91	4.75	7.08	1.04	1.11	23.47	16.15	3.02
8400	15.04	27.96	4.56	7.03	1.06	1.12	23.02	16.16	3.11
8600	14.54	28.03	4.39	7.02	1.10	1.14	22.86	16.34	3.18
8800	13.98	28.18	4.21	7.11	1.17	1.16	22.91	15.86	3.42
9000	13.32	28.42	4.05	7.28	1.28	1.18	21.99	15.80	3.52
10000	9.69	29.72	3.28	6.20	1.80	1.16	19.54	15.77	5.06

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: Vd = 6.00V, Id = 74mA @ 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)
200	17.56	32.85	2.54	5.84	1.28	1.04	29.39	15.74	3.73
400	22.06	28.04	10.15	21.30	1.13	0.85	33.36	18.61	2.05
600	22.72	27.26	18.19	15.99	1.10	0.65	34.15	20.63	1.71
800	22.85	27.06	23.26	13.36	1.09	0.57	36.70	21.50	1.39
1000	22.86	26.99	22.76	12.51	1.08	0.54	36.80	21.78	1.36
1200	22.84	26.97	21.13	12.27	1.08	0.54	39.74	21.91	1.34
1400	22.79	26.98	19.78	12.33	1.08	0.54	39.96	21.88	1.28
1600	22.72	27.01	18.68	12.59	1.09	0.56	40.63	21.70	1.20
1800	22.66	27.03	17.82	13.05	1.09	0.58	36.48	21.63	1.28
2000	22.60	27.04	17.01	13.57	1.09	0.60	38.48	21.68	1.21
2200	22.54	27.06	16.23	14.24	1.10	0.62	37.24	21.29	1.34
2400	22.46	27.11	15.56	14.94	1.10	0.64	45.85	21.33	1.36
2600	22.36	27.15	14.98	15.96	1.11	0.67	35.84	21.31	1.32
2800	22.25	27.24	14.51	17.16	1.12	0.70	40.59	21.01	1.37
3000	22.16	27.25	13.95	18.54	1.12	0.72	38.01	20.88	1.36
3200	22.10	27.26	13.33	19.84	1.12	0.74	39.17	20.52	1.41
3400	22.03	27.30	12.83	20.69	1.12	0.76	34.02	20.23	1.49
3600	21.95	27.34	12.41	21.29	1.12	0.78	37.29	20.55	1.40
3800	21.86	27.38	12.03	21.49	1.12	0.80	36.60	20.49	1.42
4000	21.76	27.44	11.73	21.25	1.13	0.81	35.73	20.20	1.40
4200	21.66	27.50	11.46	20.53	1.13	0.83	35.80	20.19	1.45
4400	21.55	27.56	11.29	19.62	1.14	0.84	37.92	20.09	1.44
4600	21.45	27.58	11.04	18.61	1.14	0.85	35.20	19.88	1.48
4800	21.34	27.64	10.87	17.69	1.14	0.86	34.99	20.03	1.48
5000	21.24	27.72	10.72	16.85	1.15	0.87	35.67	19.99	1.58
5200	21.13	27.78	10.56	16.06	1.15	0.88	32.79	20.23	1.46
5400	21.02	27.83	10.42	15.36	1.16	0.88	36.91	20.33	1.57
5600	20.93	27.92	10.27	14.67	1.16	0.89	34.97	19.75	1.54
5800	20.83	27.97	10.14	14.03	1.17	0.90	32.60	19.61	1.58
6000	20.72	28.01	10.02	13.48	1.17	0.90	36.82	19.76	1.70
6200	20.60	28.07	9.86	12.90	1.17	0.91	34.67	19.75	1.67
6400	20.47	28.17	9.64	12.35	1.17	0.92	33.00	19.07	1.80
6600	20.26	28.33	9.37	11.91	1.19	0.94	31.66	18.90	1.80
6800	20.07	28.39	8.90	12.30	1.19	0.97	31.48	18.77	1.80
7000	20.06	28.35	8.74	11.85	1.17	0.97	32.35	18.79	1.79
7200	19.91	28.43	8.44	11.33	1.17	0.98	32.04	18.58	1.93
7400	19.72	28.49	8.07	10.92	1.16	0.99	31.18	18.33	1.91
7600	19.50	28.58	7.63	10.56	1.16	1.01	29.53	17.94	1.93
7800	19.26	28.69	7.21	10.20	1.15	1.03	30.02	18.07	2.00
8000	18.98	28.78	6.78	9.90	1.14	1.06	29.97	17.83	2.13
8200	18.67	28.88	6.31	9.59	1.13	1.08	29.49	17.36	2.19
8400	18.31	29.00	5.86	9.34	1.13	1.11	28.79	17.30	2.22
8600	17.91	29.13	5.45	9.09	1.13	1.13	28.79	17.43	2.43
8800	17.46	29.28	5.03	8.88	1.13	1.16	28.50	17.05	2.53
9000	16.93	29.48	4.66	8.81	1.16	1.19	26.97	16.37	2.65
10000	13.47	30.87	3.39	6.67	1.39	1.19	24.26	15.15	3.91

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: Vd = 5.75V, Id = 70mA @ 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)
200	17.35	32.73	2.52	5.79	1.29	1.04	28.77	14.96	3.75
400	21.87	27.87	9.99	21.54	1.13	0.85	31.22	18.08	1.99
600	22.54	27.08	17.97	16.46	1.10	0.65	32.01	20.25	1.71
800	22.68	26.87	23.76	13.66	1.09	0.57	35.96	21.15	1.37
1000	22.70	26.81	23.62	12.77	1.08	0.54	34.44	21.56	1.36
1200	22.68	26.78	21.75	12.52	1.08	0.54	35.88	21.57	1.26
1400	22.63	26.78	20.23	12.57	1.08	0.55	37.28	21.66	1.29
1600	22.57	26.82	18.92	12.88	1.09	0.56	35.83	21.48	1.21
1800	22.50	26.83	18.04	13.38	1.09	0.58	33.88	21.42	1.27
2000	22.45	26.83	17.14	13.96	1.09	0.60	34.45	21.47	1.20
2200	22.39	26.88	16.23	14.65	1.10	0.62	35.21	20.96	1.22
2400	22.31	26.94	15.52	15.35	1.10	0.65	35.26	21.13	1.25
2600	22.21	26.99	14.88	16.37	1.11	0.68	34.20	21.10	1.29
2800	22.10	27.03	14.39	17.55	1.12	0.70	33.31	20.69	1.33
3000	22.01	27.10	13.80	18.92	1.12	0.73	32.99	20.67	1.39
3200	21.95	27.15	13.20	20.18	1.12	0.75	34.08	20.31	1.37
3400	21.88	27.16	12.68	21.03	1.12	0.76	31.94	19.90	1.45
3600	21.80	27.20	12.27	21.50	1.12	0.78	31.57	20.23	1.41
3800	21.71	27.22	11.86	21.59	1.12	0.80	33.07	20.18	1.44
4000	21.62	27.29	11.56	21.18	1.12	0.82	32.75	19.88	1.37
4200	21.52	27.31	11.30	20.39	1.12	0.83	30.83	19.87	1.42
4400	21.41	27.42	11.09	19.42	1.13	0.84	31.54	19.78	1.46
4600	21.32	27.47	10.85	18.37	1.13	0.85	31.40	19.45	1.54
4800	21.21	27.54	10.71	17.39	1.14	0.86	30.95	19.61	1.51
5000	21.11	27.58	10.55	16.54	1.14	0.87	31.10	19.70	1.56
5200	21.01	27.65	10.43	15.78	1.15	0.88	29.79	19.94	1.47
5400	20.91	27.71	10.30	15.14	1.15	0.89	31.11	20.05	1.53
5600	20.81	27.79	10.18	14.47	1.16	0.89	31.36	19.48	1.55
5800	20.72	27.87	10.06	13.82	1.16	0.90	29.96	19.46	1.55
6000	20.60	27.88	9.94	13.26	1.16	0.90	31.09	19.51	1.62
6200	20.50	27.97	9.78	12.68	1.16	0.91	30.64	19.51	1.69
6400	20.36	28.07	9.58	12.11	1.16	0.92	29.34	18.82	1.83
6600	20.17	28.21	9.33	11.62	1.17	0.93	29.03	18.66	1.76
6800	19.92	28.37	8.82	11.89	1.19	0.97	28.72	18.65	1.85
7000	19.94	28.26	8.66	11.60	1.17	0.97	29.54	18.68	1.84
7200	19.80	28.32	8.38	11.09	1.16	0.97	29.88	18.47	1.93
7400	19.62	28.43	8.01	10.66	1.16	0.99	28.66	18.23	1.94
7600	19.40	28.51	7.59	10.29	1.15	1.01	27.85	17.85	1.99
7800	19.16	28.58	7.19	9.96	1.14	1.03	28.65	18.00	2.03
8000	18.89	28.69	6.75	9.63	1.13	1.05	27.93	17.75	2.17
8200	18.58	28.83	6.30	9.33	1.12	1.08	28.03	17.29	2.18
8400	18.22	28.94	5.84	9.09	1.12	1.10	27.54	17.24	2.28
8600	17.82	29.08	5.44	8.84	1.12	1.13	27.63	17.37	2.38
8800	17.37	29.24	5.00	8.67	1.12	1.16	27.69	16.98	2.52
9000	16.85	29.43	4.65	8.57	1.15	1.18	26.59	16.31	2.64
10000	13.33	30.92	3.38	6.48	1.40	1.18	23.58	15.10	3.80

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: Vd = 6.25V, Id = 79mA @ 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)
200	17.76	33.14	2.53	5.79	1.29	1.03	30.29	16.25	3.75
400	22.28	28.27	10.11	21.16	1.13	0.85	33.90	19.12	2.02
600	22.94	27.42	18.12	16.05	1.09	0.65	32.69	21.11	1.72
800	23.07	27.25	23.49	13.36	1.08	0.57	36.21	21.85	1.39
1000	23.09	27.17	23.03	12.51	1.08	0.54	34.43	22.12	1.34
1200	23.06	27.15	21.31	12.25	1.08	0.53	37.99	22.13	1.31
1400	23.01	27.14	19.92	12.32	1.08	0.54	40.42	22.21	1.30
1600	22.95	27.19	18.70	12.62	1.09	0.56	38.69	22.03	1.15
1800	22.87	27.22	17.87	13.12	1.09	0.58	41.07	21.96	1.25
2000	22.82	27.22	17.01	13.68	1.09	0.60	35.15	22.01	1.20
2200	22.75	27.21	16.14	14.35	1.09	0.62	37.24	21.61	1.37
2400	22.67	27.26	15.46	15.05	1.10	0.64	38.82	21.66	1.28
2600	22.56	27.32	14.85	16.06	1.11	0.67	36.80	21.63	1.27
2800	22.44	27.39	14.37	17.21	1.12	0.70	36.90	21.33	1.41
3000	22.35	27.44	13.78	18.56	1.12	0.72	37.21	21.31	1.34
3200	22.29	27.46	13.19	19.86	1.12	0.74	35.33	20.84	1.39
3400	22.21	27.48	12.68	20.79	1.12	0.76	34.34	20.55	1.48
3600	22.12	27.49	12.28	21.40	1.12	0.78	34.03	20.87	1.39
3800	22.02	27.56	11.88	21.66	1.12	0.80	36.73	20.91	1.42
4000	21.92	27.58	11.56	21.44	1.12	0.81	33.66	20.51	1.37
4200	21.81	27.66	11.31	20.71	1.13	0.83	32.40	20.50	1.44
4400	21.70	27.69	11.11	19.79	1.13	0.84	33.60	20.40	1.45
4600	21.59	27.78	10.87	18.73	1.14	0.86	32.47	20.18	1.51
4800	21.48	27.82	10.72	17.72	1.14	0.86	32.00	20.32	1.43
5000	21.37	27.88	10.58	16.86	1.15	0.87	32.52	20.39	1.56
5200	21.26	27.94	10.46	16.05	1.15	0.88	31.36	20.62	1.42
5400	21.15	28.00	10.32	15.39	1.16	0.89	31.99	20.59	1.52
5600	21.05	28.07	10.21	14.68	1.16	0.89	32.58	20.13	1.53
5800	20.94	28.13	10.08	14.01	1.17	0.90	31.56	19.87	1.54
6000	20.82	28.14	9.96	13.43	1.17	0.91	31.84	20.01	1.60
6200	20.70	28.24	9.81	12.83	1.17	0.91	31.96	20.00	1.67
6400	20.56	28.32	9.60	12.23	1.17	0.92	31.48	19.31	1.79
6600	20.36	28.45	9.34	11.73	1.18	0.94	30.61	19.13	1.78
6800	20.09	28.60	8.84	11.99	1.20	0.97	29.54	18.99	1.76
7000	20.11	28.48	8.67	11.70	1.17	0.97	30.84	18.89	1.85
7200	19.96	28.53	8.39	11.17	1.17	0.98	31.19	18.78	1.91
7400	19.77	28.60	8.02	10.72	1.16	0.99	29.88	18.53	1.91
7600	19.54	28.69	7.59	10.34	1.15	1.01	29.04	18.13	1.94
7800	19.29	28.74	7.20	10.00	1.14	1.03	29.77	18.26	2.06
8000	19.02	28.84	6.76	9.67	1.13	1.05	29.36	18.01	2.12
8200	18.69	28.95	6.31	9.37	1.12	1.08	29.23	17.54	2.18
8400	18.33	29.07	5.85	9.13	1.12	1.11	28.40	17.48	2.29
8600	17.92	29.17	5.45	8.87	1.12	1.13	28.41	17.59	2.37
8800	17.46	29.33	5.02	8.71	1.12	1.16	28.65	17.09	2.48
9000	16.94	29.52	4.66	8.62	1.15	1.19	27.48	16.53	2.59
10000	13.41	30.95	3.40	6.55	1.40	1.19	24.88	15.30	3.82

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: Vd = 6.00V, Id = 86mA @ 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)
200	17.61	30.87	3.39	6.43	1.23	1.01	33.90	15.66	2.80
400	21.26	26.83	15.27	12.68	1.11	0.73	29.16	19.38	1.54
600	21.45	26.54	13.65	9.00	1.09	0.54	29.48	21.68	1.34
800	21.42	26.47	11.71	7.94	1.08	0.47	29.61	22.28	1.07
1000	21.38	26.46	10.98	7.56	1.08	0.45	30.25	22.39	1.04
1200	21.37	26.45	10.72	7.44	1.07	0.44	29.76	22.55	1.00
1400	21.37	26.43	10.76	7.49	1.08	0.44	30.00	22.65	0.98
1600	21.36	26.43	10.93	7.60	1.08	0.45	29.88	22.70	0.84
1800	21.36	26.41	11.21	7.83	1.08	0.46	29.70	22.66	0.91
2000	21.39	26.36	11.51	8.04	1.08	0.47	30.95	22.64	0.88
2200	21.42	26.27	11.90	8.29	1.08	0.47	29.59	22.48	0.87
2400	21.44	26.27	12.38	8.61	1.08	0.48	30.37	22.57	0.89
2600	21.44	26.23	12.85	8.98	1.09	0.50	30.80	22.49	0.97
2800	21.42	26.24	13.49	9.52	1.10	0.52	30.08	22.21	0.97
3000	21.45	26.21	14.39	10.14	1.10	0.54	30.26	22.13	1.03
3200	21.53	26.13	15.15	10.55	1.09	0.54	29.24	21.72	0.96
3400	21.57	26.08	15.78	10.95	1.09	0.54	31.46	21.25	1.06
3600	21.59	26.06	16.32	11.32	1.09	0.55	31.86	21.40	0.96
3800	21.60	26.06	16.98	11.80	1.09	0.56	30.10	21.56	1.01
4000	21.60	26.04	17.66	12.29	1.09	0.57	30.42	21.00	0.92
4200	21.59	26.01	18.35	12.80	1.09	0.58	31.23	20.80	1.02
4400	21.59	26.07	19.16	13.44	1.10	0.60	30.24	20.73	1.00
4600	21.60	26.08	20.00	14.11	1.10	0.61	30.73	20.29	1.06
4800	21.59	26.10	20.64	14.74	1.10	0.62	31.56	20.40	0.98
5000	21.58	26.13	21.09	15.39	1.11	0.63	31.75	20.35	1.06
5200	21.57	26.15	21.51	15.93	1.11	0.64	34.71	20.38	0.98
5400	21.56	26.19	21.64	16.58	1.12	0.65	32.31	20.76	1.10
5600	21.56	26.22	21.59	17.21	1.12	0.65	31.22	20.40	1.05
5800	21.56	26.28	21.41	17.89	1.12	0.66	31.05	20.03	1.08
6000	21.57	26.32	20.82	18.44	1.12	0.67	32.61	20.57	1.17
6200	21.56	26.39	20.46	18.81	1.13	0.68	32.98	20.52	1.16
6400	21.55	26.47	19.75	19.10	1.13	0.69	30.88	19.58	1.32
6600	21.52	26.57	18.99	19.15	1.14	0.70	31.40	19.37	1.29
6800	21.33	26.87	17.64	17.81	1.16	0.74	32.11	19.12	1.28
7000	21.39	26.82	16.25	20.21	1.16	0.74	31.32	19.70	1.25
7200	21.44	26.89	15.69	20.35	1.15	0.75	31.44	19.76	1.40
7400	21.40	27.02	14.73	19.75	1.16	0.77	32.35	19.32	1.36
7600	21.32	27.19	13.54	18.80	1.16	0.79	31.25	18.60	1.42
7800	21.24	27.38	12.49	17.85	1.17	0.82	33.03	19.03	1.49
8000	21.13	27.56	11.36	16.85	1.17	0.85	31.48	18.76	1.55
8200	20.98	27.81	10.26	15.93	1.17	0.88	30.54	18.12	1.59
8400	20.77	28.09	9.25	14.88	1.18	0.92	30.22	18.05	1.63
8600	20.51	28.40	8.24	13.84	1.18	0.97	31.63	18.49	1.74
8800	20.21	28.65	7.32	12.78	1.17	1.01	30.19	17.95	1.82
9000	19.82	29.05	6.52	11.88	1.18	1.06	29.20	16.62	1.95
10000	16.49	31.53	3.84	6.89	1.29	1.13	27.67	15.61	2.90

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: Vd = 5.75V, Id = 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)
200	17.41	30.63	3.39	6.47	1.23	1.01	31.12	15.02	2.74
400	21.04	26.68	15.31	12.59	1.11	0.73	29.78	18.19	1.56
600	21.23	26.34	13.63	8.95	1.09	0.54	29.53	20.93	1.34
800	21.20	26.30	11.68	7.90	1.08	0.48	29.99	21.61	1.09
1000	21.16	26.27	10.94	7.52	1.08	0.45	29.98	21.82	1.05
1200	21.16	26.25	10.68	7.41	1.07	0.44	29.48	21.99	1.04
1400	21.15	26.24	10.72	7.45	1.08	0.44	30.10	22.18	1.00
1600	21.15	26.22	10.88	7.57	1.08	0.45	29.68	22.14	0.85
1800	21.14	26.20	11.16	7.78	1.08	0.46	29.98	22.10	0.93
2000	21.18	26.15	11.45	8.00	1.08	0.46	32.06	22.17	0.92
2200	21.22	26.10	11.85	8.24	1.08	0.47	29.02	21.90	1.00
2400	21.24	26.06	12.31	8.55	1.08	0.48	29.92	21.99	0.99
2600	21.24	26.06	12.79	8.92	1.09	0.50	29.99	21.91	0.94
2800	21.22	26.07	13.42	9.45	1.10	0.52	29.73	21.63	1.04
3000	21.26	26.05	14.32	10.06	1.10	0.54	30.19	21.55	1.03
3200	21.34	25.94	15.09	10.46	1.09	0.53	29.85	21.14	0.98
3400	21.39	25.89	15.73	10.84	1.09	0.54	30.25	20.66	1.06
3600	21.41	25.88	16.28	11.19	1.09	0.55	31.55	20.93	1.00
3800	21.42	25.85	16.97	11.66	1.09	0.56	30.04	20.99	1.03
4000	21.43	25.86	17.68	12.13	1.09	0.57	30.60	20.53	0.95
4200	21.43	25.84	18.42	12.62	1.09	0.58	31.05	20.22	1.00
4400	21.43	25.88	19.29	13.23	1.10	0.59	30.65	20.15	1.04
4600	21.44	25.89	20.18	13.87	1.10	0.60	31.65	19.71	1.06
4800	21.44	25.91	20.92	14.48	1.10	0.61	30.69	19.82	1.04
5000	21.44	25.93	21.47	15.10	1.10	0.62	30.68	19.89	1.12
5200	21.42	25.97	21.97	15.61	1.11	0.63	32.96	19.93	1.00
5400	21.43	26.04	22.16	16.24	1.11	0.64	31.89	20.32	1.06
5600	21.43	26.07	22.17	16.86	1.12	0.65	30.81	19.97	1.08
5800	21.44	26.08	22.00	17.52	1.12	0.65	30.49	19.60	1.10
6000	21.45	26.13	21.41	18.10	1.12	0.66	31.81	20.15	1.16
6200	21.45	26.19	21.07	18.50	1.12	0.67	31.36	20.22	1.17
6400	21.44	26.28	20.31	18.86	1.13	0.68	30.47	19.29	1.29
6600	21.42	26.39	19.52	19.02	1.14	0.69	30.60	19.09	1.25
6800	21.25	26.67	18.12	17.80	1.16	0.73	29.98	18.85	1.24
7000	21.31	26.65	16.65	20.14	1.15	0.73	31.21	19.43	1.27
7200	21.37	26.70	16.08	20.55	1.15	0.74	31.49	19.49	1.38
7400	21.34	26.85	15.10	20.15	1.15	0.76	30.24	19.07	1.36
7600	21.26	27.00	13.85	19.29	1.16	0.78	29.31	18.50	1.41
7800	21.19	27.21	12.77	18.35	1.16	0.81	29.63	19.04	1.41
8000	21.09	27.42	11.59	17.33	1.17	0.84	29.15	18.66	1.51
8200	20.95	27.62	10.47	16.36	1.17	0.87	29.26	18.15	1.56
8400	20.76	27.92	9.42	15.24	1.17	0.91	29.08	18.10	1.63
8600	20.50	28.21	8.39	14.14	1.17	0.96	28.69	18.54	1.72
8800	20.22	28.51	7.44	13.01	1.17	1.00	29.41	17.98	1.73
9000	19.83	28.91	6.62	12.04	1.18	1.05	27.92	16.81	1.94
10000	16.52	31.54	3.86	6.87	1.31	1.13	25.97	15.68	2.85

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: Vd = 6.25V, Id = 90mA @ 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)
200	17.80	31.08	3.38	6.39	1.23	1.01	32.78	16.29	2.82
400	21.46	27.07	15.23	12.71	1.11	0.73	28.71	20.04	1.54
600	21.66	26.70	13.71	9.03	1.08	0.54	29.21	22.17	1.35
800	21.63	26.66	11.77	7.96	1.08	0.47	29.70	22.67	1.10
1000	21.59	26.66	11.03	7.58	1.08	0.45	29.97	22.84	1.03
1200	21.58	26.63	10.78	7.46	1.07	0.44	29.79	22.99	0.99
1400	21.58	26.61	10.82	7.51	1.07	0.44	29.54	23.10	1.01
1600	21.57	26.59	10.99	7.62	1.08	0.45	29.56	23.06	0.87
1800	21.56	26.58	11.27	7.85	1.08	0.46	30.33	23.02	0.97
2000	21.59	26.52	11.57	8.07	1.08	0.46	30.72	23.07	0.91
2200	21.62	26.46	11.97	8.33	1.08	0.47	29.71	22.94	1.01
2400	21.64	26.41	12.44	8.65	1.08	0.48	29.75	22.93	0.91
2600	21.63	26.42	12.92	9.02	1.09	0.50	30.46	22.94	0.98
2800	21.61	26.43	13.55	9.56	1.10	0.52	29.76	22.67	1.02
3000	21.64	26.37	14.47	10.20	1.10	0.54	30.30	22.59	0.99
3200	21.71	26.28	15.21	10.62	1.09	0.54	29.77	22.18	0.98
3400	21.75	26.23	15.83	11.03	1.09	0.54	30.48	21.59	1.06
3600	21.76	26.20	16.36	11.41	1.09	0.55	30.94	21.85	0.96
3800	21.77	26.21	17.00	11.91	1.09	0.56	30.43	22.01	1.06
4000	21.77	26.19	17.64	12.42	1.09	0.57	31.01	21.45	0.96
4200	21.75	26.23	18.32	12.95	1.10	0.59	30.63	21.24	1.01
4400	21.75	26.22	19.03	13.62	1.10	0.60	30.99	21.18	1.01
4600	21.75	26.24	19.80	14.30	1.10	0.61	32.43	20.73	1.05
4800	21.74	26.27	20.34	14.96	1.11	0.62	32.40	20.83	1.03
5000	21.72	26.27	20.71	15.64	1.11	0.63	31.74	20.89	1.07
5200	21.70	26.31	21.04	16.20	1.11	0.64	34.17	20.80	0.99
5400	21.69	26.37	21.10	16.87	1.12	0.65	31.88	21.18	1.07
5600	21.68	26.42	21.02	17.52	1.12	0.66	31.79	20.81	1.06
5800	21.68	26.42	20.82	18.19	1.12	0.67	32.66	20.43	1.07
6000	21.68	26.50	20.23	18.75	1.13	0.68	33.21	20.97	1.18
6200	21.67	26.52	19.91	19.08	1.13	0.68	34.17	20.92	1.16
6400	21.64	26.63	19.20	19.30	1.14	0.70	31.31	19.97	1.30
6600	21.61	26.73	18.48	19.26	1.14	0.71	32.28	19.75	1.28
6800	21.41	27.02	17.18	17.82	1.16	0.75	32.49	19.37	1.23
7000	21.47	27.03	15.86	20.26	1.16	0.75	32.08	19.94	1.24
7200	21.51	27.05	15.30	20.14	1.16	0.76	33.20	19.99	1.39
7400	21.46	27.18	14.38	19.44	1.16	0.78	31.62	19.43	1.35
7600	21.37	27.35	13.24	18.41	1.17	0.80	30.48	18.81	1.40
7800	21.28	27.53	12.22	17.46	1.17	0.83	31.01	19.23	1.43
8000	21.16	27.74	11.13	16.48	1.17	0.86	31.11	18.96	1.54
8200	21.00	27.97	10.07	15.58	1.17	0.89	30.16	18.30	1.56
8400	20.79	28.24	9.08	14.58	1.18	0.93	30.66	18.10	1.60
8600	20.52	28.47	8.11	13.62	1.17	0.98	29.98	18.55	1.69
8800	20.21	28.76	7.20	12.60	1.16	1.02	30.68	18.00	1.82
9000	19.81	29.19	6.43	11.74	1.18	1.07	29.28	16.79	1.88
10000	16.47	31.57	3.82	6.91	1.29	1.14	27.13	15.79	2.90

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: Vd = 6.00V, Id = 59mA @ Temperature = +105°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)
200	16.70	34.40	1.94	4.95	1.36	1.01	27.57	15.68	4.61
400	21.80	28.98	6.59	13.81	1.15	0.91	30.01	17.82	2.48
600	22.89	27.80	11.23	25.08	1.11	0.73	30.25	19.23	2.04
800	23.18	27.41	14.97	31.53	1.09	0.65	31.31	20.10	1.66
1000	23.25	27.28	16.95	27.97	1.09	0.63	31.12	20.65	1.64
1200	23.21	27.25	16.72	27.01	1.09	0.63	32.08	20.76	1.59
1400	23.13	27.27	15.40	27.47	1.08	0.65	31.47	20.82	1.57
1600	23.00	27.34	13.96	28.85	1.09	0.68	32.15	20.67	1.47
1800	22.86	27.40	12.80	30.53	1.09	0.71	32.28	20.71	1.55
2000	22.72	27.42	11.82	30.95	1.09	0.73	30.02	20.80	1.57
2200	22.56	27.53	10.95	29.48	1.09	0.77	31.52	20.52	1.72
2400	22.38	27.58	10.26	27.19	1.09	0.80	31.34	20.59	1.64
2600	22.18	27.67	9.67	24.96	1.10	0.83	31.96	20.63	1.73
2800	21.98	27.78	9.16	22.79	1.10	0.86	32.00	20.44	1.78
3000	21.79	27.84	8.70	20.83	1.10	0.88	32.28	20.32	1.83
3200	21.62	27.89	8.31	19.13	1.10	0.91	31.80	20.18	1.79
3400	21.45	27.97	8.00	17.80	1.10	0.93	30.00	20.10	1.91
3600	21.27	27.99	7.74	16.63	1.10	0.94	30.30	20.18	1.84
3800	21.08	28.07	7.52	15.65	1.10	0.96	31.95	20.18	1.92
4000	20.89	28.09	7.34	14.76	1.10	0.97	30.97	20.06	1.87
4200	20.70	28.13	7.21	14.01	1.10	0.99	30.04	20.04	1.99
4400	20.51	28.25	7.08	13.30	1.11	1.00	30.73	19.76	2.00
4600	20.33	28.24	6.98	12.65	1.10	1.00	29.67	19.73	2.05
4800	20.14	28.26	6.90	12.07	1.10	1.01	29.97	19.63	2.03
5000	19.95	28.31	6.85	11.54	1.11	1.02	30.01	19.57	2.16
5200	19.76	28.36	6.78	11.07	1.11	1.02	28.40	19.51	2.05
5400	19.57	28.36	6.73	10.62	1.11	1.02	29.62	19.21	2.13
5600	19.38	28.40	6.66	10.19	1.11	1.03	29.57	18.83	2.19
5800	19.18	28.38	6.59	9.77	1.10	1.03	28.03	18.71	2.22
6000	18.97	28.41	6.52	9.39	1.10	1.03	28.91	18.43	2.37
6200	18.76	28.39	6.43	9.04	1.09	1.03	28.16	18.31	2.27
6400	18.51	28.46	6.33	8.72	1.09	1.04	27.57	17.84	2.44
6600	18.22	28.48	6.18	8.68	1.10	1.06	26.50	17.62	2.43
6800	18.08	28.33	6.09	8.62	1.08	1.06	26.20	17.32	2.47
7000	17.90	28.28	5.99	8.30	1.07	1.06	26.55	17.04	2.50
7200	17.64	28.27	5.87	8.04	1.06	1.06	26.58	16.83	2.60
7400	17.35	28.23	5.71	7.83	1.05	1.07	25.85	16.78	2.61
7600	17.04	28.20	5.52	7.67	1.05	1.08	24.72	16.58	2.71
7800	16.70	28.21	5.34	7.53	1.05	1.09	25.23	16.38	2.77
8000	16.32	28.20	5.15	7.43	1.05	1.10	24.65	16.36	2.91
8200	15.91	28.26	4.95	7.33	1.07	1.11	24.76	16.15	2.95
8400	15.45	28.30	4.74	7.28	1.09	1.13	24.40	15.99	3.03
8600	14.94	28.39	4.55	7.26	1.13	1.14	24.16	16.02	3.16
8800	14.37	28.50	4.35	7.35	1.20	1.16	24.28	15.82	3.35
9000	13.71	28.73	4.18	7.52	1.31	1.18	23.33	15.61	3.51
10000	10.10	29.92	3.35	6.41	1.80	1.17	20.51	14.69	5.01

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: Vd = 5.75V, Id = 55mA @ Temperature = +105°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)
200	16.42	34.19	1.92	4.91	1.36	1.00	26.44	15.38	4.61
400	21.53	28.77	6.48	13.47	1.15	0.91	28.71	17.40	2.48
600	22.63	27.57	11.02	23.64	1.11	0.73	29.57	18.84	2.08
800	22.93	27.18	14.62	31.14	1.10	0.66	30.56	19.84	1.64
1000	23.00	27.06	16.51	29.18	1.09	0.63	30.03	20.54	1.61
1200	22.97	27.03	16.33	28.38	1.09	0.64	30.73	20.52	1.55
1400	22.89	27.05	15.11	28.86	1.08	0.65	30.38	20.59	1.58
1600	22.77	27.07	13.73	30.17	1.08	0.68	30.39	20.56	1.46
1800	22.62	27.17	12.61	31.23	1.09	0.71	29.90	20.62	1.58
2000	22.49	27.21	11.66	30.43	1.09	0.74	29.05	20.58	1.53
2200	22.33	27.29	10.82	28.33	1.09	0.77	30.03	20.30	1.73
2400	22.16	27.37	10.13	26.02	1.09	0.80	30.09	20.50	1.64
2600	21.96	27.48	9.55	23.95	1.10	0.83	29.87	20.42	1.70
2800	21.76	27.58	9.05	21.98	1.10	0.86	30.37	20.10	1.77
3000	21.58	27.63	8.59	20.15	1.10	0.89	29.98	20.10	1.84
3200	21.41	27.67	8.20	18.56	1.10	0.91	30.05	19.96	1.77
3400	21.24	27.77	7.90	17.32	1.10	0.93	28.66	19.89	1.93
3600	21.07	27.79	7.63	16.23	1.09	0.94	28.94	19.98	1.83
3800	20.89	27.86	7.42	15.29	1.09	0.96	29.74	19.85	1.89
4000	20.70	27.90	7.24	14.44	1.09	0.97	29.25	19.73	1.88
4200	20.51	27.98	7.10	13.73	1.10	0.99	28.42	19.84	2.00
4400	20.33	28.03	6.99	13.03	1.10	1.00	28.81	19.56	1.99
4600	20.15	28.09	6.88	12.41	1.10	1.01	28.23	19.54	2.07
4800	19.96	28.10	6.81	11.86	1.10	1.01	28.30	19.45	2.04
5000	19.78	28.16	6.75	11.34	1.10	1.02	28.38	19.40	2.14
5200	19.59	28.16	6.69	10.89	1.10	1.02	27.62	19.35	2.02
5400	19.40	28.20	6.63	10.45	1.10	1.02	28.33	19.17	2.08
5600	19.22	28.20	6.56	10.03	1.09	1.02	28.73	18.78	2.17
5800	19.03	28.26	6.50	9.61	1.09	1.03	27.24	18.68	2.19
6000	18.82	28.25	6.43	9.25	1.09	1.03	27.87	18.40	2.35
6200	18.61	28.26	6.34	8.91	1.08	1.03	27.76	18.28	2.29
6400	18.36	28.30	6.24	8.60	1.08	1.04	26.73	17.83	2.45
6600	18.08	28.35	6.09	8.57	1.09	1.05	26.14	17.49	2.45
6800	17.95	28.22	6.00	8.51	1.07	1.06	25.61	17.20	2.42
7000	17.76	28.15	5.91	8.20	1.06	1.06	25.97	17.04	2.45
7200	17.51	28.12	5.79	7.93	1.05	1.06	26.12	16.83	2.59
7400	17.23	28.12	5.63	7.74	1.04	1.07	25.33	16.66	2.57
7600	16.91	28.09	5.45	7.58	1.04	1.08	24.36	16.47	2.72
7800	16.58	28.11	5.27	7.45	1.04	1.09	24.66	16.40	2.76
8000	16.20	28.14	5.08	7.35	1.05	1.10	24.57	16.38	2.91
8200	15.79	28.15	4.89	7.26	1.06	1.11	24.44	16.17	2.95
8400	15.33	28.22	4.69	7.20	1.08	1.13	23.96	16.16	3.02
8600	14.83	28.26	4.50	7.19	1.12	1.14	23.73	16.20	3.16
8800	14.26	28.43	4.31	7.27	1.19	1.16	23.86	15.99	3.32
9000	13.60	28.65	4.14	7.45	1.30	1.18	22.76	15.79	3.53
10000	9.98	29.87	3.33	6.35	1.80	1.17	20.30	15.04	4.99

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: Vd = 6.25V, Id = 63mA @ Temperature = +105°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)
200	16.96	34.60	1.96	4.99	1.36	1.01	27.71	15.96	4.59
400	22.05	29.17	6.67	14.11	1.15	0.91	29.33	18.22	2.50
600	23.12	28.00	11.40	26.57	1.11	0.73	30.65	19.61	2.05
800	23.40	27.63	15.26	30.94	1.09	0.65	31.58	20.46	1.68
1000	23.46	27.51	17.32	26.75	1.09	0.63	31.73	20.87	1.61
1200	23.43	27.45	17.03	25.82	1.08	0.63	31.27	20.98	1.53
1400	23.34	27.48	15.62	26.23	1.08	0.65	31.59	21.04	1.56
1600	23.21	27.53	14.13	27.54	1.09	0.68	32.13	21.02	1.45
1800	23.06	27.57	12.93	29.40	1.09	0.70	31.04	20.92	1.52
2000	22.92	27.63	11.93	30.74	1.09	0.73	30.79	21.01	1.51
2200	22.76	27.69	11.05	30.25	1.09	0.76	31.51	20.73	1.69
2400	22.58	27.80	10.36	28.19	1.09	0.80	31.25	20.93	1.66
2600	22.37	27.86	9.76	25.92	1.10	0.83	31.48	20.84	1.66
2800	22.17	27.94	9.25	23.58	1.10	0.86	31.61	20.52	1.75
3000	21.98	28.03	8.78	21.47	1.11	0.88	31.91	20.65	1.82
3200	21.80	28.08	8.40	19.65	1.10	0.91	31.46	20.51	1.74
3400	21.63	28.11	8.08	18.24	1.10	0.93	30.05	20.42	1.91
3600	21.45	28.17	7.82	17.03	1.10	0.95	30.05	20.49	1.86
3800	21.26	28.23	7.60	15.99	1.10	0.96	31.96	20.39	1.89
4000	21.06	28.26	7.42	15.06	1.10	0.98	30.32	20.25	1.90
4200	20.87	28.34	7.29	14.29	1.11	0.99	30.41	20.22	1.98
4400	20.67	28.37	7.16	13.54	1.11	1.00	30.93	20.06	1.97
4600	20.49	28.38	7.05	12.87	1.11	1.01	29.43	19.90	2.02
4800	20.29	28.43	6.98	12.27	1.11	1.01	29.78	19.79	1.97
5000	20.10	28.48	6.93	11.72	1.11	1.02	30.24	19.73	2.09
5200	19.90	28.50	6.86	11.24	1.11	1.02	28.80	19.52	2.04
5400	19.71	28.51	6.81	10.78	1.11	1.02	29.40	19.48	2.14
5600	19.51	28.52	6.74	10.34	1.11	1.03	29.95	19.09	2.19
5800	19.31	28.54	6.67	9.90	1.11	1.03	28.62	18.84	2.19
6000	19.10	28.56	6.60	9.51	1.11	1.03	29.19	18.57	2.35
6200	18.88	28.53	6.51	9.16	1.10	1.03	28.78	18.44	2.30
6400	18.63	28.56	6.41	8.83	1.10	1.04	27.61	17.96	2.41
6600	18.34	28.62	6.25	8.79	1.11	1.06	27.19	17.73	2.41
6800	18.20	28.48	6.16	8.72	1.09	1.06	26.58	17.32	2.48
7000	18.01	28.40	6.06	8.39	1.08	1.06	27.06	17.28	2.44
7200	17.75	28.36	5.93	8.12	1.07	1.06	27.18	16.94	2.60
7400	17.45	28.36	5.77	7.91	1.06	1.07	26.38	16.76	2.57
7600	17.14	28.36	5.58	7.75	1.06	1.08	25.32	16.55	2.64
7800	16.80	28.32	5.39	7.61	1.06	1.09	25.63	16.48	2.74
8000	16.42	28.32	5.20	7.50	1.07	1.10	25.17	16.33	2.88
8200	16.00	28.33	4.99	7.40	1.08	1.12	25.32	16.11	2.92
8400	15.54	28.39	4.78	7.34	1.10	1.13	24.80	16.07	3.04
8600	15.03	28.45	4.59	7.33	1.14	1.14	24.77	15.97	3.15
8800	14.47	28.59	4.39	7.42	1.20	1.16	24.61	15.77	3.29
9000	13.80	28.82	4.21	7.59	1.32	1.18	23.61	15.54	3.56
10000	10.20	29.95	3.37	6.47	1.80	1.18	20.94	14.34	4.98