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: V_S = +4V, I_S = 54.09mA, R1=267 Ω @ Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)
500.0	21.78	42.23	-2.02	-6.93	1.92	1.23	27.48	16.87
525.0	22.53	41.02	-2.59	-7.73	1.89	1.21	27.95	17.34
550.0	23.13	40.30	-3.28	-8.57	1.92	1.19	27.79	17.75
575.0	23.59	39.70	-4.08	-9.45	1.97	1.16	27.79	18.12
600.0	23.94	38.83	-4.97	-10.31	1.94	1.12	28.24	18.25
625.0	24.18	38.76	-5.96	-11.21	2.04	1.09	28.29	18.88
650.0	24.32	38.36	-7.04	-12.10	2.06	1.06	28.58	19.09
675.0	24.40	37.86	-8.21	-12.90	2.06	1.02	28.79	19.35
700.0	24.43	38.04	-9.45	-13.64	2.18	1.01	29.24	19.57
725.0	24.40	37.80	-10.77	-14.36	2.20	0.99	29.44	19.58
750.0	24.33	37.95	-12.21	-15.02	2.31	0.97	29.69	19.91
775.0	24.25	37.63	-13.78	-15.57	2.30	0.96	30.06	19.94
800.0	24.14	37.66	-15.47	-16.12	2.37	0.95	30.42	19.85
825.0	24.02	37.52	-17.41	-16.70	2.39	0.95	30.54	20.22
850.0	23.88	37.50	-19.50	-17.20	2.44	0.94	30.40	20.22
875.0	23.73	37.50	-21.84	-17.71	2.49	0.94	30.84	19.99
900.0	23.58	37.31	-24.22	-18.16	2.49	0.94	30.53	20.53
925.0	23.42	37.40	-26.19	-18.51	2.56	0.95	30.94	20.18
950.0	23.26	37.59	-27.29	-18.85	2.66	0.95	30.95	20.07
975.0	23.10	37.56	-26.41	-19.15	2.70	0.95	30.49	20.28
1000.0	22.93	37.52	-24.92	-19.33	2.74	0.96	30.25	20.02
1050.0	22.60	37.72	-22.00	-19.47	2.89	0.96	30.84	20.02
1100.0	22.27	37.43	-19.69	-19.29	2.88	0.97	30.74	20.00
1150.0	21.94	37.53	-17.93	-18.72	3.00	0.98	30.71	20.02
1200.0	21.62	37.66	-16.93	-18.08	3.12	0.98	30.64	20.06
1250.0	21.30	37.84	-15.96	-17.18	3.27	0.99	30.37	20.10
1300.0	20.99	37.78	-15.35	-16.24	3.32	0.99	30.44	19.81
1350.0	20.68	37.72	-14.83	-15.27	3.38	0.99	30.39	19.58
1400.0	20.38	37.76	-14.26	-14.36	3.46	0.99	30.21	19.36
1500.0	19.78	37.99	-13.41	-12.69	3.69	0.99	30.35	19.58
1550.0	19.47	38.16	-13.13	-11.92	3.83	0.98	29.89	18.84
1600.0	19.18	38.04	-12.91	-11.19	3.84	0.97	30.04	18.92
1700.0	18.59	38.11	-12.40	-9.85	3.98	0.95	29.43	18.19
1800.0	17.99	38.52	-11.88	-8.73	4.26	0.93	29.60	18.25
1900.0	17.37	38.65	-11.50	-7.76	4.42	0.90	29.74	18.07
2000.0	16.73	38.95	-11.33	-7.25	4.78	0.88	29.02	17.45
2100.0	16.25	39.04	-11.02	-6.38	4.79	0.84	29.18	17.40
2200.0	15.69	39.02	-10.74	-5.66	4.78	0.81	29.04	17.34
2300.0	15.12	39.54	-10.55	-5.10	5.11	0.77	28.59	16.44
2400.0	14.53	39.69	-10.27	-4.60	5.20	0.73	27.88	15.96
2500.0	13.95	39.71	-10.05	-4.19	5.25	0.70	28.02	15.58
2600.0	13.38	40.18	-9.92	-3.83	5.58	0.66	27.18	15.10
2700.0	12.81	39.59	-9.71	-3.51	5.21	0.63	27.03	14.84
2800.0	12.24	39.75	-9.48	-3.25	5.34	0.60	26.66	14.26
2900.0	11.70	39.38	-9.36	-3.02	5.15	0.58	26.49	13.97
3000.0	11.17	39.44	-9.21	-2.83	5.23	0.55	25.59	13.54
3100.0	10.65	39.19	-9.00	-2.62	5.06	0.53	25.64	13.10
3200.0	10.14	38.88	-8.93	-2.46	4.91	0.51	24.56	12.46
3300.0	9.67	38.08	-8.81	-2.29	4.43	0.48	24.57	12.11
3400.0	9.20	38.03	-8.68	-2.14	4.38	0.46	24.03	11.83
3500.0	8.74	37.19	-8.56	-2.02	3.97	0.44	23.31	11.43
3600.0	8.26	36.71	-8.50	-1.92	3.79	0.43	23.01	10.94
3700.0	7.85	36.22	-8.32	-1.86	3.62	0.42	22.59	10.60
3800.0	7.41	35.38	-8.17	-1.75	3.23	0.40	22.07	10.37
3900.0	6.98	34.60	-8.24	-1.72	3.06	0.40	21.48	9.86
4000.0	6.60	33.52	-8.12	-1.68	2.72	0.40	21.64	9.63

FREQ	Noise Figure
(MHz)	(dB)
500.0	1.18
600.0	1.01
700.0	0.51
800.0	0.47
900.0	0.37
1000.0	0.39
1100.0	0.43
1200.0	0.51
1300.0	0.41
1400.0	0.55
1500.0	0.61
1600.0	0.60
1700.0	0.58
1800.0	0.74
1900.0	0.68
2000.0	0.78
2100.0	0.76
2200.0	0.81
2300.0	0.92
2400.0	0.95
2500.0	1.09
2600.0	1.04
2700.0	1.19
2800.0	1.21
2900.0	1.25
3000.0	1.16
3100.0	1.46
3200.0	1.46
3300.0	1.51
3400.0	1.59
3500.0	1.49
3600.0	1.75
3700.0	1.78
3800.0	1.77
3900.0	1.84
4000.0	1.78

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: V_S = +3.8V, I_S = 50.72mA, R1=267 Ω @ Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)
500.0	21.62	41.85	-2.00	-6.93	1.87	1.23	26.95	16.34
525.0	22.38	40.96	-2.59	-7.74	1.90	1.21	27.32	16.79
550.0	22.99	39.98	-3.27	-8.59	1.89	1.19	27.42	17.22
575.0	23.46	39.30	-4.08	-9.49	1.92	1.15	27.48	17.62
600.0	23.82	38.92	-4.99	-10.38	1.98	1.12	27.72	17.73
625.0	24.06	38.22	-5.98	-11.31	1.96	1.08	27.83	18.37
650.0	24.21	38.13	-7.08	-12.21	2.05	1.05	28.15	18.54
675.0	24.29	37.79	-8.28	-13.02	2.07	1.02	28.33	18.84
700.0	24.32	37.47	-9.56	-13.83	2.09	1.00	28.75	19.06
725.0	24.29	37.43	-10.93	-14.56	2.15	0.98	29.16	19.08
750.0	24.22	37.55	-12.41	-15.21	2.25	0.97	29.32	19.40
775.0	24.14	37.23	-14.06	-15.84	2.24	0.95	29.99	19.43
800.0	24.02	37.31	-15.81	-16.42	2.32	0.95	30.16	19.36
825.0	23.90	37.13	-17.82	-16.99	2.33	0.94	30.16	19.70
850.0	23.76	37.19	-20.00	-17.52	2.40	0.94	30.29	19.73
875.0	23.61	37.10	-22.28	-18.03	2.43	0.94	30.85	19.51
900.0	23.45	37.13	-24.55	-18.51	2.48	0.94	30.42	20.04
925.0	23.29	37.10	-25.87	-18.85	2.52	0.95	30.71	19.68
950.0	23.13	37.16	-25.95	-19.19	2.58	0.95	30.60	19.61
975.0	22.97	37.21	-24.77	-19.47	2.64	0.95	30.55	19.82
1000.0	22.80	37.20	-23.26	-19.64	2.68	0.96	30.05	19.57
1050.0	22.47	37.33	-20.74	-19.78	2.80	0.97	30.35	19.57
1100.0	22.14	37.26	-18.70	-19.50	2.86	0.97	30.48	19.55
1150.0	21.80	37.51	-17.14	-18.89	3.03	0.98	30.57	19.60
1200.0	21.48	37.34	-16.20	-18.14	3.05	0.99	30.68	19.62
1250.0	21.16	37.39	-15.32	-17.25	3.15	0.99	30.38	19.68
1300.0	20.85	37.39	-14.73	-16.23	3.22	0.99	29.97	19.37
1350.0	20.53	37.51	-14.25	-15.26	3.34	0.99	30.28	19.15
1400.0	20.23	37.50	-13.74	-14.33	3.40	1.00	29.67	18.96
1500.0	19.62	37.72	-12.94	-12.65	3.62	0.99	29.88	19.17
1550.0	19.32	37.80	-12.70	-11.86	3.72	0.98	29.83	18.43
1600.0	19.02	37.90	-12.48	-11.15	3.82	0.98	29.87	18.53
1700.0	18.43	38.18	-12.03	-9.82	4.05	0.96	29.32	17.80
1800.0	17.83	38.38	-11.53	-8.70	4.24	0.93	29.56	17.83
1900.0	17.21	38.79	-11.16	-7.73	4.54	0.91	29.09	17.65
2000.0	16.56	38.50	-11.04	-7.21	4.59	0.89	28.62	17.07
2100.0	16.09	38.88	-10.71	-6.35	4.75	0.85	28.62	17.01
2200.0	15.53	38.83	-10.48	-5.64	4.72	0.81	28.80	16.92
2300.0	14.95	39.28	-10.28	-5.07	5.00	0.77	27.75	15.92
2400.0	14.37	39.60	-10.04	-4.56	5.20	0.73	27.36	15.46
2500.0	13.78	39.85	-9.85	-4.17	5.39	0.70	27.16	15.15
2600.0	13.21	40.21	-9.71	-3.81	5.65	0.66	26.22	14.50
2700.0	12.64	39.97	-9.51	-3.49	5.50	0.63	26.05	14.30
2800.0	12.07	39.55	-9.27	-3.23	5.26	0.60	25.77	13.89
2900.0	11.54	39.52	-9.18	-3.01	5.29	0.58	25.41	13.45
3000.0	11.00	39.44	-9.04	-2.81	5.27	0.55	24.53	12.99
3100.0	10.48	39.27	-8.84	-2.61	5.16	0.53	24.69	12.52
3200.0	9.97	39.01	-8.76	-2.44	5.03	0.51	23.56	11.90
3300.0	9.50	38.38	-8.65	-2.27	4.63	0.48	23.54	11.57
3400.0	9.03	37.87	-8.52	-2.13	4.33	0.46	23.01	11.30
3500.0	8.57	37.16	-8.42	-2.01	3.99	0.44	22.24	10.79
3600.0	8.08	36.84	-8.37	-1.90	3.87	0.43	22.01	10.32
3700.0	7.68	36.31	-8.18	-1.85	3.68	0.42	21.58	10.04
3800.0	7.24	35.22	-8.04	-1.74	3.20	0.41	21.17	9.81
3900.0	6.81	35.13	-8.08	-1.73	3.33	0.40	20.56	9.30
4000.0	6.44	33.75	-7.98	-1.68	2.84	0.40	20.73	9.03

FREQ	Noise Figure
(MHz)	(dB)
500.0	1.16
600.0	1.01
700.0	0.52
800.0	0.49
900.0	0.45
1000.0	0.36
1100.0	0.45
1200.0	0.50
1300.0	0.43
1400.0	0.57
1500.0	0.60
1600.0	0.61
1700.0	0.58
1800.0	0.77
1900.0	0.68
2000.0	0.80
2100.0	0.79
2200.0	0.80
2300.0	0.88
2400.0	0.93
2500.0	1.08
2600.0	1.07
2700.0	1.25
2800.0	1.19
2900.0	1.28
3000.0	1.32
3100.0	1.38
3200.0	1.55
3300.0	1.56
3400.0	1.61
3500.0	1.58
3600.0	1.78
3700.0	1.73
3800.0	1.79
3900.0	1.91
4000.0	1.77

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: V_S = +4.2V, I_S = 57.17mA, R1=267 Ω @ Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)
500.0	21.93	42.37	-2.03	-6.92	1.92	1.23	28.05	17.28
525.0	22.67	41.37	-2.61	-7.72	1.93	1.21	28.24	17.78
550.0	23.25	40.64	-3.29	-8.54	1.96	1.19	28.26	18.21
575.0	23.71	40.04	-4.08	-9.40	2.00	1.16	28.32	18.58
600.0	24.06	39.41	-4.96	-10.26	2.02	1.12	28.52	18.72
625.0	24.29	38.99	-5.93	-11.14	2.05	1.09	28.51	19.31
650.0	24.43	38.62	-6.98	-11.99	2.09	1.06	28.91	19.56
675.0	24.51	38.47	-8.13	-12.73	2.15	1.03	29.18	19.81
700.0	24.53	38.33	-9.34	-13.46	2.20	1.01	29.78	20.02
725.0	24.50	38.02	-10.63	-14.14	2.22	0.99	30.12	20.02
750.0	24.43	37.90	-12.02	-14.74	2.26	0.97	29.91	20.36
775.0	24.35	37.94	-13.53	-15.30	2.34	0.96	30.48	20.36
800.0	24.25	37.78	-15.16	-15.84	2.36	0.95	30.54	20.28
825.0	24.12	37.92	-16.99	-16.39	2.46	0.95	30.63	20.64
850.0	23.98	37.81	-18.99	-16.88	2.49	0.95	30.80	20.63
875.0	23.84	37.80	-21.19	-17.36	2.54	0.95	30.97	20.40
900.0	23.69	37.86	-23.69	-17.79	2.61	0.95	30.83	20.93
925.0	23.53	37.94	-26.21	-18.10	2.68	0.95	31.22	20.59
950.0	23.38	37.79	-28.14	-18.48	2.69	0.95	31.36	20.49
975.0	23.22	37.99	-28.05	-18.75	2.80	0.95	30.97	20.70
1000.0	23.05	37.85	-26.63	-18.98	2.80	0.96	30.92	20.42
1050.0	22.73	38.18	-23.46	-19.21	3.00	0.96	30.90	20.42
1100.0	22.40	38.02	-20.79	-19.04	3.04	0.97	31.15	20.38
1150.0	22.07	38.02	-18.82	-18.61	3.13	0.98	30.78	20.40
1200.0	21.76	37.96	-17.71	-18.00	3.19	0.98	30.89	20.45
1250.0	21.44	38.05	-16.67	-17.20	3.31	0.98	30.69	20.47
1300.0	21.13	38.12	-15.97	-16.25	3.42	0.99	30.68	20.15
1350.0	20.82	38.13	-15.41	-15.34	3.50	0.99	30.40	19.95
1400.0	20.52	38.27	-14.81	-14.44	3.63	0.99	30.17	19.74
1500.0	19.92	38.29	-13.87	-12.78	3.78	0.98	30.25	19.92
1550.0	19.62	38.45	-13.59	-12.00	3.92	0.98	30.03	19.20
1600.0	19.33	38.38	-13.34	-11.28	3.96	0.97	30.08	19.30
1700.0	18.74	38.51	-12.81	-9.94	4.13	0.95	29.68	18.55
1800.0	18.15	38.80	-12.25	-8.81	4.36	0.93	29.75	18.62
1900.0	17.53	39.09	-11.81	-7.83	4.61	0.90	29.80	18.40
2000.0	16.88	38.95	-11.68	-7.31	4.74	0.88	29.36	17.83
2100.0	16.42	39.53	-11.29	-6.45	5.03	0.84	29.38	17.77
2200.0	15.86	39.45	-11.00	-5.72	4.99	0.80	29.30	17.73
2300.0	15.29	40.02	-10.78	-5.15	5.36	0.77	28.73	16.76
2400.0	14.70	39.57	-10.51	-4.64	5.10	0.73	28.42	16.33
2500.0	14.12	39.78	-10.26	-4.22	5.25	0.70	28.40	16.06
2600.0	13.55	40.16	-10.13	-3.87	5.53	0.66	27.92	15.48
2700.0	12.98	40.06	-9.90	-3.55	5.47	0.63	27.51	15.14
2800.0	12.41	39.86	-9.66	-3.28	5.36	0.60	27.38	14.80
2900.0	11.88	39.60	-9.54	-3.05	5.24	0.58	27.24	14.40
3000.0	11.34	39.38	-9.38	-2.85	5.15	0.55	26.31	13.96
3100.0	10.82	39.18	-9.16	-2.65	5.02	0.53	26.46	13.56
3200.0	10.31	38.93	-9.09	-2.48	4.91	0.51	25.45	12.89
3300.0	9.84	38.04	-8.96	-2.31	4.39	0.48	25.44	12.56
3400.0	9.37	37.80	-8.81	-2.16	4.23	0.46	24.83	12.37
3500.0	8.91	37.05	-8.72	-2.04	3.87	0.45	24.28	11.91
3600.0	8.44	36.93	-8.63	-1.93	3.85	0.43	24.00	11.44
3700.0	8.03	36.13	-8.46	-1.87	3.54	0.42	23.47	11.15
3800.0	7.59	35.16	-8.31	-1.76	3.12	0.41	22.90	10.89
3900.0	7.16	34.53	-8.38	-1.74	3.02	0.40	22.34	10.41
4000.0	6.78	33.61	-8.27	-1.69	2.74	0.40	22.39	10.16

FREQ	Noise Figure
(MHz)	(dB)
500.0	1.15
600.0	0.92
700.0	0.50
800.0	0.48
900.0	0.41
1000.0	0.34
1100.0	0.42
1200.0	0.47
1300.0	0.41
1400.0	0.55
1500.0	0.61
1600.0	0.59
1700.0	0.59
1800.0	0.74
1900.0	0.67
2000.0	0.80
2100.0	0.77
2200.0	0.77
2300.0	0.91
2400.0	0.93
2500.0	1.05
2600.0	1.06
2700.0	1.24
2800.0	1.22
2900.0	1.29
3000.0	1.18
3100.0	1.38
3200.0	1.48
3300.0	1.56
3400.0	1.59
3500.0	1.52
3600.0	1.72
3700.0	1.80
3800.0	1.89
3900.0	1.86
4000.0	1.83

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: V_S = +4V, I_S = 53.52mA, R1=267 Ω @ Temperature = -40°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)
500.0	22.14	42.36	-1.83	-6.64	1.76	1.22	27.38	16.47
525.0	22.88	41.83	-2.37	-7.39	1.86	1.22	27.85	16.94
550.0	23.47	41.10	-2.99	-8.15	1.89	1.20	27.90	17.37
575.0	23.94	40.30	-3.71	-8.97	1.91	1.17	27.84	17.72
600.0	24.30	39.63	-4.52	-9.78	1.92	1.13	28.14	17.85
625.0	24.54	39.31	-5.40	-10.62	1.98	1.10	28.67	18.46
650.0	24.70	39.00	-6.35	-11.46	2.03	1.07	28.62	18.69
675.0	24.79	38.72	-7.39	-12.24	2.08	1.05	29.06	19.03
700.0	24.84	38.61	-8.48	-12.95	2.14	1.02	29.69	19.33
725.0	24.82	38.15	-9.63	-13.66	2.12	1.00	29.85	19.40
750.0	24.77	38.06	-10.87	-14.28	2.18	0.98	30.01	19.72
775.0	24.70	37.97	-12.16	-14.81	2.22	0.97	30.44	19.78
800.0	24.60	37.99	-13.49	-15.32	2.29	0.96	30.91	19.73
825.0	24.49	37.92	-14.96	-15.83	2.33	0.95	30.91	20.08
850.0	24.36	38.08	-16.49	-16.30	2.43	0.95	30.64	20.09
875.0	24.22	37.99	-18.06	-16.75	2.47	0.95	31.03	19.89
900.0	24.08	37.85	-19.86	-17.19	2.48	0.95	30.95	20.43
925.0	23.93	37.91	-21.76	-17.55	2.55	0.95	31.10	20.07
950.0	23.79	37.78	-23.93	-17.90	2.56	0.95	31.27	20.00
975.0	23.63	37.83	-25.88	-18.27	2.62	0.95	31.17	20.19
1000.0	23.48	37.77	-27.10	-18.50	2.65	0.95	30.40	19.96
1050.0	23.16	38.02	-26.53	-18.89	2.82	0.96	30.80	19.97
1100.0	22.84	38.14	-23.74	-18.75	2.95	0.96	30.79	19.93
1150.0	22.53	37.99	-21.32	-18.34	2.98	0.97	30.61	19.97
1200.0	22.22	37.81	-20.00	-17.88	3.01	0.97	30.64	20.00
1250.0	21.91	37.90	-18.66	-17.19	3.12	0.97	30.49	20.05
1300.0	21.61	37.90	-17.77	-16.32	3.19	0.97	30.26	19.74
1350.0	21.31	37.88	-17.04	-15.35	3.26	0.97	30.37	19.52
1400.0	21.01	37.99	-16.29	-14.43	3.37	0.97	30.27	19.35
1500.0	20.43	38.03	-15.24	-12.75	3.52	0.97	29.96	19.55
1550.0	20.13	38.32	-14.85	-12.02	3.70	0.96	29.76	18.82
1600.0	19.84	38.10	-14.50	-11.32	3.67	0.96	29.80	18.90
1700.0	19.27	38.33	-13.80	-9.94	3.86	0.94	29.37	18.15
1800.0	18.68	38.66	-13.22	-8.76	4.09	0.91	29.63	18.21
1900.0	18.06	39.14	-12.66	-7.75	4.41	0.89	29.20	17.92
2000.0	17.39	38.79	-12.36	-7.26	4.43	0.87	28.83	17.37
2100.0	16.96	39.42	-11.96	-6.37	4.71	0.83	28.97	17.28
2200.0	16.41	38.98	-11.61	-5.60	4.44	0.79	28.71	17.20
2300.0	15.84	39.66	-11.26	-5.02	4.80	0.75	28.17	16.26
2400.0	15.26	39.78	-10.91	-4.50	4.86	0.71	27.73	15.89
2500.0	14.67	40.05	-10.74	-4.06	5.01	0.67	27.55	15.53
2600.0	14.10	40.20	-10.48	-3.68	5.09	0.64	26.80	15.06
2700.0	13.54	40.12	-10.12	-3.37	5.01	0.61	26.55	14.83
2800.0	12.97	40.45	-9.92	-3.11	5.23	0.58	26.21	14.42
2900.0	12.43	39.83	-9.77	-2.88	4.87	0.55	25.97	14.08
3000.0	11.89	39.81	-9.49	-2.72	4.91	0.54	25.12	13.69
3100.0	11.38	39.46	-9.32	-2.52	4.69	0.51	25.19	13.15
3200.0	10.87	39.58	-9.25	-2.35	4.77	0.49	24.23	12.66
3300.0	10.41	38.87	-9.00	-2.18	4.31	0.46	24.13	12.36
3400.0	9.99	38.43	-8.90	-2.04	4.05	0.44	23.76	12.12
3500.0	9.54	37.71	-8.84	-1.86	3.61	0.41	23.03	11.66
3600.0	9.07	37.31	-8.59	-1.75	3.42	0.40	22.79	11.24
3700.0	8.69	36.58	-8.48	-1.70	3.17	0.39	22.32	10.88
3800.0	8.27	35.72	-8.47	-1.58	2.79	0.37	21.97	10.74
3900.0	7.86	35.43	-8.39	-1.56	2.79	0.37	21.31	10.29
4000.0	7.52	34.20	-8.24	-1.51	2.40	0.36	21.57	10.01

FREQ	Noise Figure
(MHz)	(dB)
500.0	0.73
600.0	0.71
700.0	0.26
800.0	0.23
900.0	0.20
1000.0	0.10
1100.0	0.18
1200.0	0.21
1300.0	0.17
1400.0	0.26
1500.0	0.31
1600.0	0.30
1700.0	0.26
1800.0	0.37
1900.0	0.31
2000.0	0.40
2100.0	0.40
2200.0	0.37
2300.0	0.47
2400.0	0.49
2500.0	0.60
2600.0	0.59
2700.0	0.73
2800.0	0.66
2900.0	0.71
3000.0	0.69
3100.0	0.83
3200.0	0.87
3300.0	0.87
3400.0	0.94
3500.0	0.88
3600.0	0.97
3700.0	0.98
3800.0	0.99
3900.0	1.16
4000.0	0.96

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: V_S = +3.8V, I_S = 50.44mA, R1=267 Ω @ Temperature = -40°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)
500.0	21.94	41.79	-1.81	-6.65	1.70	1.22	26.76	15.84
525.0	22.69	41.40	-2.34	-7.41	1.81	1.22	27.31	16.31
550.0	23.30	40.44	-2.97	-8.18	1.82	1.19	27.26	16.68
575.0	23.77	40.14	-3.69	-9.01	1.91	1.17	27.29	17.06
600.0	24.14	39.30	-4.51	-9.85	1.90	1.13	27.73	17.12
625.0	24.39	38.84	-5.39	-10.71	1.92	1.10	27.81	17.80
650.0	24.56	38.70	-6.37	-11.59	2.01	1.07	28.29	18.00
675.0	24.66	38.26	-7.44	-12.39	2.02	1.04	28.42	18.37
700.0	24.71	38.15	-8.55	-13.16	2.08	1.02	29.06	18.61
725.0	24.69	38.01	-9.75	-13.88	2.13	1.00	29.48	18.74
750.0	24.64	37.73	-11.02	-14.53	2.15	0.98	29.31	19.07
775.0	24.57	37.63	-12.37	-15.08	2.19	0.97	29.94	19.16
800.0	24.46	37.64	-13.76	-15.65	2.25	0.96	30.24	19.13
825.0	24.36	37.69	-15.29	-16.19	2.32	0.95	30.32	19.50
850.0	24.22	37.56	-16.87	-16.64	2.35	0.95	30.33	19.53
875.0	24.08	37.60	-18.53	-17.13	2.41	0.94	30.54	19.32
900.0	23.94	37.47	-20.34	-17.57	2.43	0.94	30.28	19.84
925.0	23.79	37.58	-22.26	-17.89	2.50	0.94	30.73	19.52
950.0	23.64	37.52	-24.30	-18.28	2.53	0.94	30.68	19.46
975.0	23.49	37.50	-25.65	-18.65	2.58	0.95	30.44	19.63
1000.0	23.33	37.59	-26.05	-18.90	2.64	0.95	29.85	19.44
1050.0	23.01	37.52	-24.50	-19.19	2.71	0.96	30.35	19.43
1100.0	22.69	37.48	-22.00	-19.02	2.78	0.96	30.31	19.44
1150.0	22.37	37.65	-19.92	-18.50	2.91	0.97	30.09	19.47
1200.0	22.06	37.61	-18.79	-17.94	2.98	0.97	30.22	19.49
1250.0	21.75	37.61	-17.61	-17.21	3.06	0.98	30.18	19.55
1300.0	21.44	37.58	-16.84	-16.27	3.13	0.98	29.87	19.27
1350.0	21.14	37.68	-16.19	-15.28	3.23	0.98	30.07	19.03
1400.0	20.84	37.76	-15.52	-14.35	3.33	0.98	29.41	18.84
1500.0	20.25	37.79	-14.55	-12.68	3.46	0.97	29.82	19.09
1550.0	19.95	37.88	-14.20	-11.93	3.56	0.97	29.38	18.38
1600.0	19.66	38.10	-13.87	-11.23	3.71	0.96	29.46	18.45
1700.0	19.08	38.33	-13.27	-9.85	3.91	0.94	29.12	17.69
1800.0	18.49	38.41	-12.73	-8.68	4.02	0.92	29.34	17.73
1900.0	17.87	38.52	-12.22	-7.69	4.15	0.89	28.88	17.52
2000.0	17.20	38.41	-11.91	-7.19	4.29	0.87	28.44	16.89
2100.0	16.76	38.88	-11.57	-6.32	4.47	0.83	28.41	16.77
2200.0	16.21	38.77	-11.25	-5.54	4.38	0.79	28.45	16.62
2300.0	15.63	39.50	-10.93	-4.97	4.77	0.75	27.59	15.64
2400.0	15.05	39.60	-10.62	-4.45	4.80	0.71	27.09	15.33
2500.0	14.47	39.73	-10.46	-4.02	4.88	0.67	26.96	14.99
2600.0	13.90	39.95	-10.23	-3.65	4.99	0.64	26.05	14.49
2700.0	13.33	39.93	-9.88	-3.34	4.95	0.61	25.90	14.15
2800.0	12.76	39.81	-9.69	-3.07	4.89	0.58	25.59	13.86
2900.0	12.22	40.00	-9.56	-2.85	5.03	0.55	25.27	13.47
3000.0	11.68	40.03	-9.29	-2.68	5.09	0.53	24.32	13.07
3100.0	11.17	39.88	-9.13	-2.50	4.99	0.51	24.54	12.59
3200.0	10.66	39.55	-9.06	-2.33	4.80	0.48	23.37	12.01
3300.0	10.21	39.02	-8.83	-2.15	4.42	0.46	23.39	11.71
3400.0	9.78	38.58	-8.73	-1.99	4.12	0.44	22.95	11.46
3500.0	9.33	37.61	-8.67	-1.84	3.60	0.41	22.17	10.99
3600.0	8.86	37.82	-8.42	-1.74	3.67	0.40	21.89	10.55
3700.0	8.47	36.90	-8.32	-1.68	3.32	0.39	21.46	10.20
3800.0	8.06	35.70	-8.30	-1.56	2.82	0.37	21.13	10.02
3900.0	7.64	35.76	-8.22	-1.55	2.95	0.37	20.44	9.62
4000.0	7.30	34.39	-8.07	-1.50	2.49	0.36	20.81	9.24

FREQ	Noise Figure
(MHz)	(dB)
500.0	0.77
600.0	0.67
700.0	0.28
800.0	0.26
900.0	0.18
1000.0	0.17
1100.0	0.22
1200.0	0.27
1300.0	0.22
1400.0	0.31
1500.0	0.32
1600.0	0.33
1700.0	0.29
1800.0	0.41
1900.0	0.33
2000.0	0.43
2100.0	0.42
2200.0	0.40
2300.0	0.52
2400.0	0.55
2500.0	0.63
2600.0	0.64
2700.0	0.77
2800.0	0.72
2900.0	0.72
3000.0	0.71
3100.0	0.74
3200.0	0.91
3300.0	0.91
3400.0	1.02
3500.0	0.91
3600.0	1.11
3700.0	1.07
3800.0	1.03
3900.0	1.18
4000.0	0.97

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: V_S = +4.2V, I_S = 53.41mA, R1=267 Ω @ Temperature = -40°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)
500.0	22.17	42.83	-1.83	-6.61	1.81	1.23	27.53	16.93
525.0	22.91	42.14	-2.36	-7.36	1.90	1.22	28.13	17.36
550.0	23.50	41.28	-2.98	-8.10	1.91	1.20	27.94	17.74
575.0	23.96	40.40	-3.69	-8.89	1.92	1.16	27.95	18.10
600.0	24.32	40.20	-4.49	-9.66	2.01	1.14	28.24	18.28
625.0	24.56	39.66	-5.35	-10.51	2.03	1.11	28.46	18.89
650.0	24.72	39.20	-6.29	-11.30	2.05	1.08	28.90	19.18
675.0	24.82	39.09	-7.31	-12.05	2.13	1.05	29.22	19.49
700.0	24.86	38.42	-8.39	-12.74	2.08	1.02	29.81	19.80
725.0	24.85	38.55	-9.52	-13.40	2.19	1.00	30.33	19.88
750.0	24.80	38.52	-10.73	-14.02	2.27	0.99	30.16	20.20
775.0	24.73	38.29	-12.00	-14.52	2.28	0.97	30.75	20.27
800.0	24.63	38.28	-13.30	-15.02	2.34	0.96	31.20	20.22
825.0	24.53	38.24	-14.73	-15.50	2.40	0.96	31.00	20.56
850.0	24.39	38.25	-16.21	-15.94	2.46	0.95	30.98	20.58
875.0	24.26	38.22	-17.75	-16.39	2.51	0.95	31.28	20.39
900.0	24.11	38.20	-19.50	-16.77	2.56	0.95	31.04	20.92
925.0	23.97	38.32	-21.33	-17.13	2.64	0.95	31.39	20.55
950.0	23.82	38.11	-23.43	-17.49	2.64	0.95	31.29	20.49
975.0	23.67	38.37	-25.32	-17.83	2.76	0.95	31.46	20.70
1000.0	23.52	38.31	-26.76	-18.11	2.79	0.95	30.77	20.47
1050.0	23.20	38.26	-26.85	-18.46	2.87	0.96	31.06	20.43
1100.0	22.89	38.38	-24.25	-18.39	3.01	0.96	30.82	20.43
1150.0	22.57	38.38	-21.76	-18.06	3.09	0.97	30.91	20.46
1200.0	22.27	38.25	-20.35	-17.65	3.14	0.97	30.99	20.48
1250.0	21.96	38.23	-18.98	-17.06	3.22	0.97	30.89	20.53
1300.0	21.66	38.34	-18.06	-16.22	3.34	0.97	30.44	20.23
1350.0	21.35	38.45	-17.28	-15.30	3.46	0.97	30.49	19.99
1400.0	21.06	38.68	-16.54	-14.40	3.63	0.97	30.06	19.80
1500.0	20.48	38.41	-15.46	-12.78	3.66	0.97	30.24	20.01
1550.0	20.18	38.35	-15.04	-12.04	3.70	0.96	29.71	19.27
1600.0	19.89	38.61	-14.66	-11.33	3.87	0.96	29.82	19.35
1700.0	19.32	38.76	-13.96	-9.96	4.04	0.94	29.40	18.57
1800.0	18.74	39.00	-13.37	-8.79	4.24	0.91	29.77	18.62
1900.0	18.12	39.41	-12.78	-7.79	4.54	0.89	29.27	18.39
2000.0	17.44	39.25	-12.48	-7.31	4.67	0.87	28.69	17.77
2100.0	17.01	40.02	-12.08	-6.41	5.04	0.83	28.78	17.70
2200.0	16.47	39.91	-11.71	-5.63	4.94	0.79	28.81	17.54
2300.0	15.90	40.18	-11.35	-5.04	5.09	0.75	28.08	16.73
2400.0	15.32	39.84	-11.01	-4.53	4.88	0.71	27.67	16.33
2500.0	14.74	39.86	-10.84	-4.08	4.89	0.68	27.43	15.92
2600.0	14.17	40.31	-10.59	-3.70	5.14	0.64	26.95	15.45
2700.0	13.61	40.01	-10.22	-3.39	4.95	0.61	26.60	15.27
2800.0	13.03	40.42	-10.02	-3.12	5.20	0.58	26.33	14.90
2900.0	12.49	39.96	-9.90	-2.89	4.95	0.55	26.01	14.51
3000.0	11.96	39.66	-9.62	-2.73	4.82	0.54	25.27	14.15
3100.0	11.45	39.34	-9.45	-2.54	4.63	0.51	25.30	13.72
3200.0	10.94	39.47	-9.39	-2.36	4.71	0.48	24.37	13.04
3300.0	10.49	38.96	-9.13	-2.19	4.36	0.46	24.29	12.74
3400.0	10.06	38.32	-9.03	-2.04	3.98	0.44	23.97	12.60
3500.0	9.62	37.39	-8.99	-1.87	3.49	0.42	23.28	12.16
3600.0	9.15	37.33	-8.71	-1.77	3.43	0.40	23.01	11.74
3700.0	8.77	36.74	-8.62	-1.71	3.24	0.39	22.63	11.42
3800.0	8.35	35.54	-8.61	-1.59	2.75	0.37	22.23	11.29
3900.0	7.94	35.20	-8.54	-1.57	2.73	0.37	21.66	10.77
4000.0	7.60	33.95	-8.41	-1.51	2.33	0.36	21.87	10.52

FREQ	Noise Figure
(MHz)	(dB)
500.0	0.76
600.0	0.73
700.0	0.29
800.0	0.26
900.0	0.21
1000.0	0.15
1100.0	0.23
1200.0	0.28
1300.0	0.18
1400.0	0.32
1500.0	0.34
1600.0	0.34
1700.0	0.28
1800.0	0.43
1900.0	0.36
2000.0	0.45
2100.0	0.41
2200.0	0.42
2300.0	0.49
2400.0	0.52
2500.0	0.62
2600.0	0.59
2700.0	0.75
2800.0	0.67
2900.0	0.77
3000.0	0.71
3100.0	0.80
3200.0	0.89
3300.0	0.91
3400.0	0.97
3500.0	0.90
3600.0	1.09
3700.0	1.10
3800.0	1.13
3900.0	1.15
4000.0	0.98

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: V_S = +4V, I_S = 53.86mA, R1=267 Ω @ Temperature = +85°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)
500.0	21.27	42.46	-2.05	-6.95	2.08	1.23	27.07	16.50
525.0	22.04	40.86	-2.63	-7.74	1.96	1.21	27.32	16.95
550.0	22.67	40.42	-3.32	-8.57	2.05	1.19	27.46	17.33
575.0	23.15	39.72	-4.15	-9.43	2.07	1.16	27.25	17.80
600.0	23.53	38.96	-5.09	-10.29	2.06	1.12	27.57	17.83
625.0	23.77	38.84	-6.11	-11.15	2.16	1.09	27.73	18.51
650.0	23.93	38.28	-7.24	-11.98	2.14	1.05	27.80	18.71
675.0	24.01	38.08	-8.49	-12.71	2.20	1.02	28.20	18.99
700.0	24.04	38.16	-9.80	-13.37	2.31	1.00	28.57	19.24
725.0	24.01	37.89	-11.19	-14.00	2.33	0.98	28.65	19.27
750.0	23.94	37.92	-12.74	-14.57	2.41	0.97	28.95	19.60
775.0	23.86	37.99	-14.45	-15.05	2.49	0.96	29.37	19.64
800.0	23.74	37.91	-16.30	-15.56	2.54	0.95	29.50	19.60
825.0	23.62	37.89	-18.41	-16.05	2.59	0.95	29.73	19.96
850.0	23.47	37.59	-20.66	-16.54	2.57	0.94	29.71	19.96
875.0	23.32	37.76	-22.89	-17.00	2.67	0.95	29.90	19.74
900.0	23.17	37.78	-24.51	-17.43	2.73	0.95	30.04	20.25
925.0	23.00	37.83	-24.51	-17.76	2.80	0.95	29.90	19.94
950.0	22.84	37.99	-23.59	-18.06	2.90	0.96	30.16	19.85
975.0	22.68	37.89	-22.32	-18.30	2.91	0.96	29.76	20.09
1000.0	22.51	38.07	-20.96	-18.46	3.02	0.96	29.41	19.80
1050.0	22.17	37.92	-18.95	-18.50	3.07	0.97	29.65	19.85
1100.0	21.83	38.14	-17.27	-18.32	3.23	0.98	29.93	19.82
1150.0	21.50	38.49	-15.95	-18.00	3.46	0.99	30.07	19.87
1200.0	21.18	38.29	-15.03	-17.52	3.47	1.00	30.09	19.93
1250.0	20.85	38.36	-14.21	-16.93	3.59	1.00	29.86	19.93
1300.0	20.53	38.50	-13.73	-16.07	3.74	1.01	29.63	19.65
1350.0	20.22	38.51	-13.31	-15.18	3.82	1.01	29.42	19.44
1400.0	19.92	38.57	-12.90	-14.32	3.93	1.01	29.36	19.26
1500.0	19.31	38.68	-12.15	-12.75	4.14	1.00	29.52	19.47
1550.0	19.01	38.77	-11.90	-12.03	4.26	1.00	29.22	18.73
1600.0	18.72	39.16	-11.72	-11.36	4.53	0.99	29.29	18.84
1700.0	18.14	39.33	-11.38	-10.05	4.76	0.97	28.88	18.09
1800.0	17.53	39.65	-10.93	-8.94	5.06	0.95	28.86	18.17
1900.0	16.92	39.68	-10.55	-7.99	5.19	0.93	29.13	17.99
2000.0	16.31	39.47	-10.52	-7.47	5.29	0.91	28.97	17.37
2100.0	15.82	40.14	-10.30	-6.63	5.72	0.87	29.00	17.33
2200.0	15.26	39.98	-10.02	-5.89	5.63	0.83	29.17	17.26
2300.0	14.69	40.44	-9.92	-5.32	6.00	0.79	28.65	16.32
2400.0	14.12	39.92	-9.78	-4.83	5.69	0.76	28.24	15.91
2500.0	13.53	40.24	-9.59	-4.41	5.97	0.72	28.22	15.60
2600.0	12.97	40.29	-9.49	-4.05	6.06	0.69	27.93	15.09
2700.0	12.41	40.04	-9.40	-3.72	5.93	0.66	27.65	14.83
2800.0	11.84	39.67	-9.17	-3.44	5.71	0.63	27.49	14.40
2900.0	11.30	39.52	-9.09	-3.20	5.67	0.60	27.24	13.94
3000.0	10.77	39.39	-9.03	-3.00	5.67	0.58	26.58	13.47
3100.0	10.24	38.65	-8.85	-2.79	5.20	0.55	26.43	13.05
3200.0	9.72	38.37	-8.80	-2.62	5.09	0.53	25.47	12.42
3300.0	9.22	37.82	-8.75	-2.45	4.79	0.51	25.54	12.03
3400.0	8.76	37.17	-8.66	-2.31	4.45	0.49	24.73	11.81
3500.0	8.29	36.59	-8.54	-2.21	4.21	0.47	24.08	11.38
3600.0	7.81	35.97	-8.52	-2.10	3.96	0.46	23.83	10.94
3700.0	7.38	35.64	-8.37	-2.03	3.87	0.45	23.22	10.55
3800.0	6.91	34.67	-8.21	-1.93	3.44	0.43	22.59	10.34
3900.0	6.45	34.25	-8.32	-1.93	3.49	0.43	22.01	9.78
4000.0	6.08	33.02	-8.26	-1.85	3.01	0.42	21.96	9.57

FREQ	Noise Figure
(MHz)	(dB)
500.0	1.51
600.0	1.19
700.0	0.68
800.0	0.63
900.0	0.62
1000.0	0.55
1100.0	0.61
1200.0	0.71
1300.0	0.63
1400.0	0.76
1500.0	0.82
1600.0	0.84
1700.0	0.81
1800.0	0.99
1900.0	0.93
2000.0	1.08
2100.0	1.12
2200.0	1.12
2300.0	1.25
2400.0	1.29
2500.0	1.45
2600.0	1.48
2700.0	1.65
2800.0	1.65
2900.0	1.72
3000.0	1.78
3100.0	1.87
3200.0	1.96
3300.0	2.00
3400.0	2.13
3500.0	2.13
3600.0	2.35
3700.0	2.33
3800.0	2.45
3900.0	2.55
4000.0	2.47

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: V_S = +3.8V, I_S = 50.72mA, R1=267 Ω @ Temperature = +85°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)
500.0	21.12	41.84	-2.03	-6.96	1.98	1.23	26.63	16.06
525.0	21.89	40.90	-2.61	-7.77	2.00	1.22	26.95	16.51
550.0	22.53	40.20	-3.31	-8.61	2.03	1.19	27.02	16.88
575.0	23.03	39.10	-4.14	-9.49	1.98	1.15	26.98	17.30
600.0	23.41	38.87	-5.09	-10.39	2.07	1.12	27.10	17.39
625.0	23.66	38.41	-6.13	-11.28	2.10	1.08	27.32	18.03
650.0	23.82	38.13	-7.29	-12.16	2.15	1.05	27.63	18.25
675.0	23.91	37.90	-8.55	-12.92	2.20	1.02	27.69	18.53
700.0	23.94	37.57	-9.88	-13.62	2.21	0.99	28.25	18.80
725.0	23.90	37.64	-11.33	-14.28	2.30	0.98	28.29	18.82
750.0	23.83	37.50	-12.92	-14.89	2.34	0.96	28.52	19.14
775.0	23.75	37.29	-14.65	-15.40	2.35	0.95	28.89	19.20
800.0	23.63	37.42	-16.57	-15.95	2.45	0.95	29.17	19.15
825.0	23.51	37.47	-18.73	-16.50	2.52	0.95	29.45	19.52
850.0	23.36	37.33	-20.91	-16.98	2.54	0.94	29.52	19.53
875.0	23.21	37.42	-22.83	-17.47	2.61	0.95	29.52	19.33
900.0	23.05	37.39	-23.85	-17.90	2.66	0.95	29.66	19.83
925.0	22.88	37.17	-23.39	-18.24	2.64	0.95	29.68	19.52
950.0	22.72	37.46	-22.26	-18.54	2.77	0.96	29.80	19.44
975.0	22.55	37.56	-21.09	-18.77	2.85	0.96	29.68	19.66
1000.0	22.38	37.45	-19.86	-18.86	2.86	0.96	29.08	19.40
1050.0	22.03	37.83	-18.04	-18.89	3.08	0.98	29.66	19.45
1100.0	21.69	37.63	-16.53	-18.58	3.10	0.98	29.73	19.44
1150.0	21.35	37.81	-15.28	-18.14	3.24	0.99	29.60	19.48
1200.0	21.03	37.71	-14.45	-17.58	3.29	1.00	29.79	19.52
1250.0	20.69	38.00	-13.69	-16.89	3.48	1.01	29.58	19.58
1300.0	20.38	38.13	-13.24	-15.98	3.62	1.01	29.34	19.27
1350.0	20.07	38.11	-12.86	-15.06	3.70	1.01	29.21	19.06
1400.0	19.76	38.20	-12.46	-14.18	3.81	1.01	29.00	18.88
1500.0	19.15	38.44	-11.77	-12.59	4.06	1.01	29.06	19.12
1550.0	18.84	38.54	-11.54	-11.88	4.19	1.00	29.02	18.36
1600.0	18.55	38.62	-11.36	-11.21	4.30	1.00	28.92	18.47
1700.0	17.96	38.78	-11.05	-9.90	4.50	0.98	28.81	17.71
1800.0	17.35	38.96	-10.63	-8.80	4.71	0.95	28.77	17.79
1900.0	16.73	39.20	-10.28	-7.86	4.95	0.93	28.87	17.58
2000.0	16.12	38.96	-10.27	-7.34	5.03	0.91	28.53	16.98
2100.0	15.62	39.73	-10.06	-6.51	5.50	0.87	28.58	16.93
2200.0	15.06	39.37	-9.79	-5.79	5.27	0.83	28.46	16.92
2300.0	14.49	40.17	-9.70	-5.23	5.86	0.79	27.92	15.89
2400.0	13.91	40.13	-9.56	-4.73	5.87	0.75	27.60	15.43
2500.0	13.32	40.22	-9.38	-4.34	5.99	0.72	27.34	15.26
2600.0	12.76	40.48	-9.31	-3.98	6.24	0.69	26.97	14.57
2700.0	12.20	39.89	-9.21	-3.66	5.87	0.65	26.66	14.31
2800.0	11.62	39.69	-9.00	-3.38	5.76	0.63	26.29	13.86
2900.0	11.08	39.65	-8.92	-3.15	5.80	0.60	26.11	13.42
3000.0	10.55	39.00	-8.86	-2.95	5.45	0.58	25.22	12.95
3100.0	10.02	38.63	-8.68	-2.75	5.22	0.55	25.21	12.49
3200.0	9.49	38.56	-8.64	-2.58	5.25	0.53	24.17	11.89
3300.0	9.00	37.80	-8.59	-2.42	4.82	0.50	24.20	11.46
3400.0	8.53	37.41	-8.49	-2.28	4.62	0.48	23.52	11.25
3500.0	8.06	36.70	-8.37	-2.17	4.28	0.47	22.90	10.82
3600.0	7.58	36.20	-8.35	-2.06	4.09	0.45	22.57	10.34
3700.0	7.15	35.88	-8.20	-2.00	4.01	0.44	22.01	9.99
3800.0	6.68	34.74	-8.06	-1.91	3.52	0.43	21.46	9.81
3900.0	6.22	34.36	-8.16	-1.90	3.57	0.43	20.90	9.20
4000.0	5.85	33.16	-8.09	-1.83	3.09	0.42	20.94	8.98

FREQ	Noise Figure
(MHz)	(dB)
500.0	1.51
600.0	1.20
700.0	0.72
800.0	0.65
900.0	0.59
1000.0	0.56
1100.0	0.64
1200.0	0.69
1300.0	0.61
1400.0	0.75
1500.0	0.84
1600.0	0.83
1700.0	0.84
1800.0	1.00
1900.0	0.95
2000.0	1.11
2100.0	1.09
2200.0	1.14
2300.0	1.22
2400.0	1.30
2500.0	1.46
2600.0	1.45
2700.0	1.65
2800.0	1.62
2900.0	1.70
3000.0	1.70
3100.0	1.84
3200.0	1.96
3300.0	1.96
3400.0	2.09
3500.0	2.09
3600.0	2.31
3700.0	2.36
3800.0	2.39
3900.0	2.61
4000.0	2.50

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: V_S =+4.2V, I_S = 57.08mA, R1=267 Ω @ Temperature = +85°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)
500.0	21.42	42.37	-2.07	-6.94	2.03	1.23	27.46	16.88
525.0	22.18	41.77	-2.65	-7.72	2.11	1.22	27.75	17.37
550.0	22.80	40.60	-3.34	-8.54	2.06	1.19	27.82	17.75
575.0	23.28	39.81	-4.16	-9.39	2.07	1.15	27.71	18.14
600.0	23.64	39.43	-5.09	-10.22	2.13	1.12	27.94	18.27
625.0	23.88	39.15	-6.10	-11.07	2.19	1.09	28.20	18.88
650.0	24.04	38.88	-7.22	-11.86	2.25	1.05	28.38	19.06
675.0	24.12	38.50	-8.45	-12.58	2.27	1.02	28.62	19.38
700.0	24.14	38.50	-9.74	-13.20	2.36	1.00	28.97	19.62
725.0	24.11	38.46	-11.11	-13.82	2.43	0.98	29.00	19.64
750.0	24.04	38.27	-12.61	-14.34	2.46	0.97	29.22	19.99
775.0	23.96	38.27	-14.27	-14.83	2.53	0.96	29.67	20.01
800.0	23.85	38.15	-16.09	-15.31	2.57	0.95	29.80	19.96
825.0	23.73	38.19	-18.15	-15.79	2.64	0.95	29.96	20.32
850.0	23.58	38.36	-20.45	-16.23	2.75	0.95	30.27	20.32
875.0	23.43	38.06	-22.82	-16.70	2.73	0.95	30.24	20.10
900.0	23.28	38.19	-24.86	-17.12	2.82	0.95	30.41	20.61
925.0	23.11	38.21	-25.57	-17.47	2.88	0.95	30.39	20.29
950.0	22.96	38.17	-24.86	-17.74	2.92	0.95	30.43	20.22
975.0	22.79	38.13	-23.53	-17.99	2.96	0.96	30.20	20.45
1000.0	22.62	38.22	-22.01	-18.11	3.03	0.96	29.97	20.15
1050.0	22.29	38.43	-19.81	-18.25	3.20	0.97	30.30	20.21
1100.0	21.95	38.42	-18.00	-18.12	3.30	0.98	30.41	20.17
1150.0	21.62	38.69	-16.52	-17.83	3.49	0.99	30.70	20.23
1200.0	21.30	38.72	-15.58	-17.39	3.60	0.99	30.64	20.26
1250.0	20.97	38.77	-14.71	-16.87	3.72	1.00	30.65	20.30
1300.0	20.66	38.73	-14.18	-16.01	3.79	1.00	30.20	19.99
1350.0	20.35	38.89	-13.74	-15.16	3.96	1.00	29.76	19.78
1400.0	20.05	38.95	-13.31	-14.33	4.07	1.00	29.70	19.60
1500.0	19.45	39.22	-12.51	-12.77	4.36	1.00	29.93	19.82
1550.0	19.14	39.30	-12.26	-12.07	4.48	0.99	29.30	19.08
1600.0	18.85	39.31	-12.05	-11.40	4.57	0.99	29.36	19.20
1700.0	18.27	39.50	-11.70	-10.09	4.81	0.97	29.18	18.44
1800.0	17.67	39.82	-11.21	-8.98	5.11	0.95	29.37	18.53
1900.0	17.06	40.28	-10.81	-8.02	5.52	0.92	29.67	18.36
2000.0	16.45	39.79	-10.79	-7.52	5.46	0.90	29.39	17.74
2100.0	15.96	40.48	-10.56	-6.66	5.91	0.87	29.61	17.70
2200.0	15.40	40.09	-10.25	-5.92	5.66	0.83	29.40	17.65
2300.0	14.83	40.18	-10.15	-5.35	5.79	0.79	29.02	16.76
2400.0	14.26	40.38	-9.99	-4.85	5.97	0.76	28.76	16.35
2500.0	13.68	40.72	-9.78	-4.44	6.27	0.72	28.93	16.08
2600.0	13.12	40.64	-9.70	-4.07	6.28	0.69	28.85	15.53
2700.0	12.56	40.41	-9.59	-3.75	6.16	0.66	28.59	15.32
2800.0	11.98	39.72	-9.36	-3.45	5.71	0.63	28.26	14.84
2900.0	11.44	39.57	-9.27	-3.22	5.68	0.60	28.26	14.42
3000.0	10.91	39.11	-9.20	-3.02	5.45	0.58	27.59	13.94
3100.0	10.39	38.62	-9.02	-2.81	5.15	0.55	27.46	13.52
3200.0	9.86	38.35	-8.96	-2.64	5.05	0.53	26.63	12.90
3300.0	9.37	37.61	-8.92	-2.47	4.64	0.51	26.72	12.56
3400.0	8.91	37.09	-8.81	-2.33	4.38	0.49	25.83	12.40
3500.0	8.44	36.63	-8.69	-2.22	4.19	0.47	25.27	11.91
3600.0	7.96	36.20	-8.68	-2.11	4.05	0.46	24.97	11.43
3700.0	7.53	35.27	-8.52	-2.04	3.68	0.45	24.28	11.14
3800.0	7.06	34.56	-8.36	-1.93	3.38	0.43	23.61	10.84
3900.0	6.60	34.13	-8.48	-1.93	3.40	0.43	23.05	10.36
4000.0	6.23	33.09	-8.43	-1.85	3.02	0.42	22.86	10.11

FREQ	Noise Figure
(MHz)	(dB)
500.0	1.47
600.0	1.18
700.0	0.70
800.0	0.64
900.0	0.57
1000.0	0.56
1100.0	0.61
1200.0	0.69
1300.0	0.61
1400.0	0.74
1500.0	0.83
1600.0	0.85
1700.0	0.82
1800.0	0.99
1900.0	0.95
2000.0	1.09
2100.0	1.06
2200.0	1.11
2300.0	1.20
2400.0	1.27
2500.0	1.44
2600.0	1.43
2700.0	1.59
2800.0	1.58
2900.0	1.70
3000.0	1.66
3100.0	1.81
3200.0	1.99
3300.0	1.99
3400.0	2.09
3500.0	2.04
3600.0	2.24
3700.0	2.33
3800.0	2.42
3900.0	2.49
4000.0	2.34