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 = 144.55mA @ Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
20.0	19.41	23.67	6.88	9.46	0.88	0.70	40.05	21.57	1.89
40.0	18.05	21.75	10.11	12.95	0.95	0.66	43.69	22.71	1.78
60.0	17.39	21.16	12.58	15.44	1.00	0.64	40.41	22.61	1.87
80.0	17.07	20.96	14.38	17.56	1.04	0.63	42.16	22.65	1.85
100.0	16.89	20.85	15.62	19.04	1.06	0.63	40.49	22.50	1.87
200.0	16.60	20.72	18.19	22.80	1.09	0.63	42.15	22.59	1.86
400.0	16.41	20.63	18.34	23.51	1.10	0.64	41.12	22.60	1.86
600.0	16.22	20.55	17.34	22.43	1.10	0.66	40.51	22.67	1.93
800.0	16.00	20.43	16.17	21.15	1.09	0.67	40.31	22.71	1.92
1000.0	15.73	20.28	15.12	19.98	1.09	0.69	40.73	22.90	2.02
1200.0	15.44	20.12	14.25	18.88	1.08	0.71	40.34	22.82	2.04
1400.0	15.12	19.93	13.52	18.00	1.08	0.73	40.69	22.81	2.09
1600.0	14.80	19.73	12.92	17.26	1.07	0.74	39.92	22.66	2.13
1800.0	14.45	19.51	12.41	16.56	1.07	0.76	40.38	22.70	2.14
2000.0	14.11	19.29	11.98	16.00	1.06	0.78	40.48	22.85	2.08
2200.0	13.76	19.06	11.75	15.41	1.06	0.79	40.27	22.67	2.17
2400.0	13.42	18.82	11.53	14.99	1.06	0.80	41.21	22.98	2.27
2600.0	13.09	18.57	11.32	14.56	1.06	0.81	40.90	23.16	2.34
2800.0	12.77	18.31	11.21	14.17	1.05	0.81	40.31	23.00	2.37
3000.0	12.45	18.05	11.12	13.86	1.05	0.82	40.77	23.19	2.34
3200.0	12.15	17.78	11.11	13.56	1.05	0.82	41.83	23.20	2.40
3400.0	11.87	17.50	11.09	13.32	1.04	0.82	41.17	23.40	2.42
3600.0	11.60	17.22	11.09	13.12	1.04	0.82	39.83	23.24	2.48
3800.0	11.35	16.94	11.14	12.87	1.03	0.81	40.30	23.27	2.52
4000.0	11.10	16.65	11.22	12.80	1.03	0.81	40.38	23.13	2.56
4200.0	10.88	16.35	11.28	12.69	1.03	0.80	40.66	23.25	2.70
4400.0	10.66	16.06	11.31	12.64	1.02	0.80	39.79	23.28	2.69
4600.0	10.46	15.75	11.33	12.69	1.02	0.79	39.89	23.10	2.76
4800.0	10.27	15.45	11.35	12.66	1.01	0.78	39.34	22.89	2.73
5000.0	10.09	15.15	11.29	12.74	1.00	0.78	39.46	23.31	2.83
5200.0	9.92	14.86	11.14	12.91	1.00	0.77	39.57	23.03	2.99
5400.0	9.74	14.57	10.90	13.12	0.99	0.77	38.70	22.49	3.05
5600.0	9.57	14.28	10.59	13.18	0.98	0.76	39.56	22.77	3.12
5800.0	9.40	14.01	10.11	13.41	0.97	0.76	39.86	23.03	3.32
6000.0	9.21	13.77	9.64	13.35	0.97	0.76	39.24	22.81	3.41

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: Vd = 4.75V, Id = 130.48mA @ Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
20.0	19.33	23.62	6.90	9.48	0.88	0.70	38.34	21.06	1.83
40.0	17.97	21.68	10.09	12.92	0.95	0.66	42.20	22.16	1.76
60.0	17.30	21.10	12.58	15.38	1.01	0.64	40.52	22.04	1.83
80.0	16.97	20.88	14.38	17.48	1.04	0.64	41.74	22.08	1.78
100.0	16.79	20.78	15.66	18.94	1.06	0.63	41.26	21.94	1.85
200.0	16.49	20.64	18.28	22.56	1.09	0.63	41.71	22.03	1.83
400.0	16.30	20.55	18.47	23.18	1.10	0.64	40.81	22.05	1.84
600.0	16.11	20.46	17.41	22.14	1.10	0.66	41.33	22.13	1.88
800.0	15.89	20.34	16.23	20.85	1.09	0.67	39.99	22.19	1.89
1000.0	15.63	20.19	15.17	19.68	1.09	0.69	41.09	22.35	1.99
1200.0	15.33	20.02	14.29	18.60	1.08	0.71	39.72	22.29	2.02
1400.0	15.02	19.83	13.54	17.76	1.08	0.73	39.95	22.29	2.04
1600.0	14.69	19.63	12.94	17.03	1.07	0.74	38.76	22.15	2.12
1800.0	14.35	19.41	12.42	16.35	1.07	0.76	39.11	22.18	2.13
2000.0	14.01	19.19	12.01	15.80	1.06	0.78	39.10	22.31	2.05
2200.0	13.66	18.95	11.74	15.24	1.06	0.79	39.13	22.16	2.13
2400.0	13.32	18.72	11.53	14.84	1.06	0.80	39.35	22.44	2.19
2600.0	12.99	18.47	11.34	14.41	1.05	0.81	38.93	22.61	2.31
2800.0	12.67	18.21	11.23	14.06	1.05	0.81	39.26	22.46	2.32
3000.0	12.36	17.95	11.16	13.77	1.05	0.81	39.04	22.65	2.27
3200.0	12.06	17.68	11.14	13.48	1.05	0.82	39.46	22.66	2.35
3400.0	11.78	17.40	11.12	13.26	1.04	0.82	39.28	22.85	2.38
3600.0	11.51	17.13	11.13	13.07	1.04	0.81	38.26	22.71	2.49
3800.0	11.26	16.84	11.19	12.86	1.03	0.81	38.47	22.75	2.44
4000.0	11.01	16.56	11.27	12.77	1.03	0.81	38.74	22.62	2.43
4200.0	10.79	16.26	11.32	12.69	1.03	0.80	38.96	22.73	2.67
4400.0	10.57	15.97	11.36	12.66	1.02	0.79	38.23	22.73	2.66
4600.0	10.37	15.67	11.40	12.69	1.02	0.79	38.61	22.58	2.70
4800.0	10.18	15.38	11.40	12.67	1.01	0.78	38.12	22.37	2.65
5000.0	10.00	15.08	11.35	12.76	1.00	0.77	38.39	22.76	2.71
5200.0	9.83	14.79	11.21	12.93	1.00	0.77	38.22	22.52	2.85
5400.0	9.66	14.50	10.95	13.12	0.99	0.77	37.23	22.00	2.95
5600.0	9.48	14.22	10.67	13.16	0.99	0.76	38.18	22.27	3.03
5800.0	9.32	13.96	10.16	13.41	0.98	0.76	38.30	22.51	3.15
6000.0	9.12	13.72	9.70	13.29	0.97	0.76	37.51	22.31	3.26

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 = 158.62mA @ Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
20.0	19.47	23.70	6.88	9.44	0.88	0.70	44.69	22.01	1.98
40.0	18.11	21.80	10.12	12.96	0.95	0.66	42.13	23.21	1.84
60.0	17.46	21.23	12.67	15.48	1.01	0.64	41.78	23.12	1.89
80.0	17.15	21.03	14.35	17.64	1.04	0.63	41.44	23.15	1.88
100.0	16.98	20.93	15.58	19.15	1.06	0.63	40.31	22.98	1.90
200.0	16.70	20.80	18.04	23.05	1.09	0.63	41.13	23.07	1.92
400.0	16.50	20.71	18.18	23.82	1.10	0.64	40.97	23.11	1.91
600.0	16.32	20.63	17.20	22.71	1.10	0.65	40.91	23.14	1.94
800.0	16.09	20.51	16.06	21.40	1.09	0.67	40.04	23.17	1.97
1000.0	15.83	20.37	15.03	20.20	1.09	0.69	40.54	23.36	2.08
1200.0	15.54	20.20	14.19	19.07	1.08	0.71	40.63	23.28	2.09
1400.0	15.22	20.02	13.44	18.18	1.08	0.73	41.04	23.28	2.13
1600.0	14.89	19.82	12.85	17.42	1.07	0.75	40.10	23.12	2.18
1800.0	14.54	19.60	12.35	16.70	1.07	0.76	41.71	23.15	2.23
2000.0	14.20	19.38	11.93	16.12	1.06	0.78	41.68	23.33	2.15
2200.0	13.85	19.15	11.69	15.51	1.06	0.79	41.27	23.13	2.23
2400.0	13.50	18.91	11.47	15.08	1.06	0.80	42.61	23.46	2.31
2600.0	13.17	18.66	11.25	14.63	1.06	0.81	42.14	23.66	2.41
2800.0	12.85	18.40	11.15	14.22	1.05	0.81	43.37	23.47	2.42
3000.0	12.53	18.13	11.06	13.90	1.05	0.82	42.72	23.68	2.42
3200.0	12.23	17.87	11.04	13.57	1.05	0.82	43.24	23.68	2.45
3400.0	11.95	17.59	11.01	13.33	1.04	0.82	42.92	23.89	2.50
3600.0	11.68	17.31	11.01	13.11	1.04	0.82	41.46	23.70	2.63
3800.0	11.42	17.02	11.06	12.85	1.03	0.81	42.09	23.75	2.61
4000.0	11.17	16.73	11.13	12.77	1.03	0.81	42.14	23.58	2.62
4200.0	10.94	16.43	11.18	12.65	1.02	0.80	42.68	23.72	2.81
4400.0	10.73	16.14	11.21	12.59	1.02	0.80	41.58	23.75	2.77
4600.0	10.53	15.83	11.26	12.65	1.01	0.79	41.72	23.57	2.85
4800.0	10.34	15.53	11.25	12.62	1.01	0.78	40.97	23.33	2.81
5000.0	10.15	15.22	11.21	12.69	1.00	0.78	40.90	23.80	2.97
5200.0	9.98	14.93	11.05	12.87	0.99	0.77	41.35	23.51	3.12
5400.0	9.81	14.63	10.80	13.09	0.99	0.77	40.31	22.94	3.16
5600.0	9.63	14.34	10.50	13.16	0.98	0.77	41.32	23.22	3.25
5800.0	9.47	14.06	10.02	13.43	0.97	0.77	41.61	23.50	3.40
6000.0	9.28	13.81	9.55	13.38	0.96	0.77	40.48	23.26	3.52

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 = 134.92mA @ Temperature = -45°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
20.0	19.14	23.28	7.43	9.68	0.88	0.69	40.46	21.48	1.83
40.0	17.68	21.22	10.40	12.56	0.93	0.65	43.61	22.57	1.52
60.0	16.88	20.55	12.93	14.58	0.99	0.64	39.70	22.44	1.54
80.0	16.46	20.29	14.89	16.35	1.03	0.63	38.78	22.50	1.51
100.0	16.24	20.16	16.43	17.57	1.05	0.62	37.41	22.40	1.55
200.0	15.87	19.97	20.76	20.51	1.09	0.62	37.10	22.50	1.58
400.0	15.67	19.90	22.02	20.05	1.10	0.62	36.59	22.52	1.54
600.0	15.53	19.84	19.86	20.47	1.11	0.64	36.87	22.64	1.54
800.0	15.36	19.76	18.44	20.42	1.11	0.65	36.31	22.71	1.59
1000.0	15.17	19.65	17.20	20.70	1.10	0.66	37.23	22.85	1.66
1200.0	14.96	19.53	16.28	19.95	1.10	0.68	37.10	22.78	1.69
1400.0	14.72	19.40	15.54	18.95	1.10	0.69	37.13	22.75	1.69
1600.0	14.45	19.25	14.73	18.65	1.10	0.71	37.12	22.62	1.73
1800.0	14.18	19.09	14.01	18.49	1.10	0.72	37.82	22.63	1.74
2000.0	13.91	18.91	13.53	17.99	1.09	0.74	38.36	22.75	1.68
2200.0	13.63	18.71	13.21	17.37	1.09	0.75	37.97	22.62	1.72
2400.0	13.35	18.51	12.93	16.93	1.09	0.76	38.82	22.83	1.82
2600.0	13.06	18.31	12.50	16.52	1.09	0.77	39.49	23.03	1.86
2800.0	12.79	18.09	12.25	16.17	1.08	0.78	39.38	22.90	1.85
3000.0	12.51	17.86	12.00	15.87	1.08	0.79	40.27	23.05	1.82
3200.0	12.25	17.62	12.21	15.04	1.07	0.78	39.65	23.08	1.84
3400.0	12.01	17.37	12.25	14.57	1.07	0.78	41.35	23.33	1.85
3600.0	11.77	17.11	12.18	14.36	1.06	0.78	40.72	23.19	1.92
3800.0	11.54	16.85	12.27	13.77	1.05	0.77	40.86	23.23	1.91
4000.0	11.32	16.58	12.21	13.72	1.05	0.77	40.63	23.06	1.88
4200.0	11.13	16.29	12.34	13.42	1.04	0.76	41.46	23.19	2.06
4400.0	10.95	16.01	12.45	13.30	1.03	0.75	41.69	23.34	2.01
4600.0	10.75	15.73	12.10	13.47	1.02	0.75	41.08	23.19	2.11
4800.0	10.60	15.43	12.14	13.40	1.01	0.74	40.93	23.06	2.00
5000.0	10.45	15.12	11.77	13.85	1.01	0.74	42.63	23.52	2.09
5200.0	10.29	14.83	11.67	13.99	1.00	0.74	42.15	23.23	2.24
5400.0	10.15	14.54	11.47	13.97	0.99	0.73	40.06	22.74	2.31
5600.0	9.99	14.26	10.92	14.46	0.98	0.73	41.57	22.81	2.34
5800.0	9.78	14.07	10.64	13.57	0.97	0.72	42.98	23.06	2.51
6000.0	9.63	13.81	9.80	14.52	0.97	0.73	41.47	22.86	2.56

Typical Performance Data

Definitions:
Input Return Loss = -S11 (dB)
Gain(Power Gain) = S21 (dB)
Reverse Isolation = -S12 (dB)
Output Return Loss = -S22 (dB)

TEST CONDITIONS: Vd = 4.75V, Id = 119.69mA @ Temperature = -45°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
20.0	19.06	23.22	7.40	9.60	0.88	0.69	45.26	20.92	1.71
40.0	17.60	21.16	10.37	12.48	0.93	0.66	42.06	21.94	1.46
60.0	16.79	20.47	12.77	14.52	0.99	0.64	38.97	21.80	1.54
80.0	16.37	20.22	14.79	16.30	1.03	0.63	39.07	21.86	1.46
100.0	16.14	20.08	16.32	17.54	1.05	0.63	38.01	21.76	1.53
200.0	15.77	19.89	20.72	20.59	1.09	0.62	37.69	21.87	1.54
400.0	15.57	19.82	22.01	20.17	1.10	0.63	36.93	21.91	1.53
600.0	15.43	19.76	19.88	20.58	1.11	0.64	37.20	22.00	1.54
800.0	15.26	19.68	18.45	20.49	1.11	0.65	36.35	22.07	1.57
1000.0	15.08	19.58	17.21	20.74	1.11	0.67	37.89	22.21	1.58
1200.0	14.87	19.46	16.29	19.95	1.10	0.68	37.19	22.14	1.70
1400.0	14.62	19.33	15.54	18.93	1.10	0.69	37.61	22.12	1.64
1600.0	14.36	19.19	14.73	18.59	1.10	0.71	37.28	22.00	1.76
1800.0	14.10	19.02	14.01	18.41	1.10	0.73	37.96	22.01	1.72
2000.0	13.82	18.85	13.53	17.90	1.10	0.74	38.42	22.11	1.67
2200.0	13.55	18.66	13.21	17.28	1.09	0.75	37.87	21.99	1.69
2400.0	13.27	18.46	12.91	16.83	1.09	0.76	39.32	22.20	1.77
2600.0	12.98	18.26	12.48	16.42	1.09	0.77	39.76	22.39	1.85
2800.0	12.71	18.04	12.24	16.07	1.08	0.78	39.53	22.28	1.85
3000.0	12.43	17.82	11.99	15.76	1.08	0.79	39.81	22.42	1.77
3200.0	12.18	17.59	12.19	14.95	1.07	0.79	39.92	22.45	1.83
3400.0	11.93	17.33	12.23	14.48	1.07	0.78	41.07	22.66	1.84
3600.0	11.71	17.07	12.15	14.27	1.06	0.78	39.72	22.53	1.86
3800.0	11.47	16.83	12.25	13.69	1.05	0.78	39.82	22.56	1.86
4000.0	11.26	16.55	12.18	13.62	1.05	0.77	39.56	22.45	1.88
4200.0	11.07	16.27	12.30	13.34	1.04	0.76	40.04	22.57	2.00
4400.0	10.89	15.99	12.41	13.24	1.03	0.76	40.09	22.68	2.00
4600.0	10.69	15.71	12.06	13.41	1.02	0.76	39.76	22.54	2.01
4800.0	10.54	15.42	12.11	13.34	1.02	0.75	39.02	22.44	1.95
5000.0	10.39	15.11	11.72	13.79	1.01	0.75	40.56	22.82	2.08
5200.0	10.23	14.83	11.65	13.92	1.00	0.74	40.15	22.58	2.17
5400.0	10.09	14.53	11.46	13.91	0.99	0.73	38.80	22.15	2.22
5600.0	9.93	14.26	10.91	14.41	0.98	0.73	40.38	22.22	2.30
5800.0	9.73	14.06	10.62	13.49	0.97	0.73	40.43	22.45	2.45
6000.0	9.57	13.81	9.78	14.47	0.97	0.74	39.44	22.27	2.49

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 = 150.35mA @ Temperature = -45°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
20.0	19.21	23.33	7.43	9.73	0.88	0.69	42.90	21.99	1.99
40.0	17.75	21.28	10.45	12.62	0.93	0.65	41.80	23.14	1.60
60.0	16.95	20.61	12.91	14.64	0.99	0.64	38.95	23.03	1.61
80.0	16.55	20.36	14.92	16.40	1.03	0.63	38.87	23.09	1.55
100.0	16.32	20.23	16.46	17.60	1.05	0.62	37.39	22.99	1.59
200.0	15.96	20.04	20.78	20.50	1.09	0.62	37.04	23.08	1.59
400.0	15.76	19.97	22.03	20.01	1.10	0.62	36.47	23.10	1.56
600.0	15.62	19.91	19.85	20.43	1.10	0.63	36.51	23.20	1.59
800.0	15.45	19.83	18.42	20.40	1.10	0.65	36.32	23.28	1.61
1000.0	15.26	19.72	17.17	20.70	1.10	0.66	37.11	23.43	1.68
1200.0	15.04	19.60	16.24	19.96	1.10	0.68	36.85	23.35	1.70
1400.0	14.80	19.46	15.50	18.97	1.10	0.69	36.88	23.32	1.69
1600.0	14.53	19.31	14.70	18.68	1.10	0.71	36.97	23.19	1.74
1800.0	14.26	19.14	14.00	18.54	1.10	0.72	37.64	23.19	1.77
2000.0	13.98	18.96	13.50	18.05	1.09	0.74	37.94	23.33	1.70
2200.0	13.70	18.76	13.18	17.43	1.09	0.75	37.89	23.18	1.75
2400.0	13.41	18.56	12.92	16.99	1.09	0.76	38.96	23.40	1.81
2600.0	13.12	18.35	12.47	16.58	1.08	0.77	39.44	23.63	1.90
2800.0	12.85	18.12	12.24	16.24	1.08	0.78	38.95	23.46	1.91
3000.0	12.57	17.89	12.00	15.94	1.07	0.78	39.99	23.62	1.81
3200.0	12.31	17.65	12.20	15.10	1.07	0.78	40.10	23.66	1.88
3400.0	12.07	17.39	12.26	14.63	1.06	0.78	42.13	23.93	1.91
3600.0	11.83	17.13	12.19	14.41	1.06	0.78	41.33	23.77	1.95
3800.0	11.60	16.87	12.29	13.81	1.05	0.77	41.62	23.81	1.93
4000.0	11.38	16.59	12.21	13.75	1.04	0.77	40.94	23.60	1.94
4200.0	11.19	16.30	12.34	13.45	1.04	0.76	42.02	23.75	2.10
4400.0	11.00	16.02	12.45	13.34	1.03	0.75	42.79	23.92	2.09
4600.0	10.80	15.73	12.11	13.51	1.02	0.75	42.46	23.76	2.12
4800.0	10.65	15.43	12.15	13.43	1.01	0.74	41.88	23.62	2.08
5000.0	10.50	15.12	11.77	13.88	1.00	0.74	44.05	24.14	2.16
5200.0	10.34	14.84	11.68	14.02	1.00	0.73	43.42	23.80	2.25
5400.0	10.20	14.54	11.48	14.00	0.99	0.72	41.30	23.28	2.38
5600.0	10.04	14.26	10.92	14.50	0.98	0.72	43.03	23.35	2.41
5800.0	9.83	14.06	10.65	13.57	0.97	0.72	46.05	23.62	2.54
6000.0	9.67	13.81	9.79	14.55	0.97	0.73	43.51	23.40	2.62

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 = 150.07mA @ Temperature = +85°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
20.0	19.46	23.85	6.65	9.30	0.88	0.70	38.60	21.53	2.18
40.0	18.20	22.04	9.90	13.07	0.96	0.66	40.62	22.69	2.03
60.0	17.64	21.51	12.31	15.78	1.02	0.64	41.09	22.60	2.07
80.0	17.38	21.33	13.82	18.09	1.05	0.64	41.90	22.61	2.03
100.0	17.24	21.24	14.88	19.71	1.06	0.64	42.79	22.42	2.06
200.0	16.97	21.14	16.17	22.83	1.09	0.64	46.34	22.52	2.10
400.0	16.78	21.04	16.08	23.31	1.09	0.65	46.32	22.55	2.08
600.0	16.56	20.93	15.30	21.14	1.09	0.67	43.48	22.59	2.11
800.0	16.30	20.78	14.29	19.76	1.08	0.69	41.46	22.62	2.16
1000.0	15.99	20.60	13.40	18.61	1.07	0.71	42.23	22.81	2.22
1200.0	15.66	20.40	12.73	17.48	1.06	0.73	41.22	22.77	2.32
1400.0	15.30	20.17	12.15	16.64	1.06	0.75	41.28	22.77	2.34
1600.0	14.94	19.93	11.73	15.92	1.05	0.77	39.47	22.63	2.39
1800.0	14.57	19.67	11.36	15.31	1.04	0.78	40.36	22.73	2.44
2000.0	14.20	19.41	11.08	14.80	1.04	0.80	39.64	22.85	2.39
2200.0	13.83	19.15	10.92	14.30	1.03	0.81	39.55	22.64	2.47
2400.0	13.47	18.88	10.77	13.96	1.03	0.81	40.18	23.01	2.56
2600.0	13.12	18.61	10.63	13.57	1.03	0.82	39.57	23.10	2.66
2800.0	12.78	18.33	10.56	13.24	1.02	0.83	39.88	22.98	2.70
3000.0	12.44	18.06	10.52	12.98	1.02	0.83	39.44	23.17	2.67
3200.0	12.12	17.78	10.48	12.78	1.02	0.83	39.97	23.16	2.77
3400.0	11.81	17.51	10.48	12.59	1.02	0.83	39.21	23.27	2.78
3600.0	11.52	17.22	10.43	12.50	1.02	0.83	38.67	23.08	2.90
3800.0	11.24	16.94	10.47	12.34	1.01	0.83	39.23	23.11	2.97
4000.0	10.97	16.66	10.57	12.28	1.01	0.83	39.41	23.06	2.95
4200.0	10.72	16.37	10.65	12.13	1.01	0.82	39.25	23.13	3.14
4400.0	10.48	16.08	10.64	12.09	1.01	0.82	38.39	22.99	3.13
4600.0	10.26	15.78	10.69	12.19	1.00	0.81	38.68	22.87	3.25
4800.0	10.05	15.49	10.73	12.22	1.00	0.81	38.14	22.66	3.18
5000.0	9.86	15.18	10.76	12.23	1.00	0.80	38.09	22.97	3.29
5200.0	9.69	14.88	10.66	12.40	0.99	0.80	38.12	22.80	3.47
5400.0	9.48	14.62	10.56	12.63	0.99	0.79	37.66	22.29	3.55
5600.0	9.32	14.31	10.21	12.80	0.98	0.79	38.68	22.71	3.69
5800.0	9.14	14.04	9.82	12.98	0.97	0.79	38.20	22.87	3.79
6000.0	8.97	13.76	9.40	13.14	0.97	0.79	37.42	22.64	3.94

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 = 136.75mA @ Temperature = +85°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
20.0	19.41	23.83	6.64	9.34	0.88	0.71	38.60	21.07	2.10
40.0	18.14	22.00	9.85	13.08	0.96	0.67	39.90	22.18	1.99
60.0	17.57	21.46	12.17	15.77	1.02	0.65	40.39	22.07	2.02
80.0	17.31	21.28	13.77	18.06	1.05	0.64	42.69	22.09	1.99
100.0	17.16	21.19	14.85	19.67	1.06	0.64	42.94	21.91	2.03
200.0	16.89	21.09	16.20	22.72	1.09	0.65	47.80	22.01	2.02
400.0	16.70	20.98	16.10	23.07	1.09	0.66	44.50	22.03	2.06
600.0	16.48	20.86	15.29	20.88	1.09	0.67	42.33	22.10	2.09
800.0	16.21	20.71	14.28	19.48	1.08	0.69	41.34	22.14	2.08
1000.0	15.90	20.52	13.38	18.32	1.07	0.71	41.39	22.33	2.17
1200.0	15.56	20.30	12.70	17.20	1.06	0.73	40.36	22.28	2.26
1400.0	15.20	20.07	12.14	16.38	1.05	0.75	39.95	22.29	2.29
1600.0	14.84	19.82	11.71	15.67	1.04	0.77	38.83	22.16	2.39
1800.0	14.46	19.56	11.35	15.08	1.04	0.78	38.97	22.25	2.39
2000.0	14.10	19.29	11.06	14.58	1.03	0.80	39.02	22.36	2.35
2200.0	13.73	19.02	10.92	14.09	1.03	0.80	38.30	22.16	2.47
2400.0	13.36	18.75	10.78	13.77	1.03	0.81	38.83	22.51	2.55
2600.0	13.01	18.48	10.63	13.40	1.02	0.82	38.61	22.60	2.64
2800.0	12.67	18.20	10.57	13.09	1.02	0.82	38.59	22.47	2.64
3000.0	12.33	17.93	10.54	12.85	1.02	0.83	38.21	22.67	2.61
3200.0	12.01	17.65	10.50	12.66	1.02	0.83	38.86	22.66	2.72
3400.0	11.70	17.38	10.51	12.49	1.02	0.83	38.40	22.77	2.68
3600.0	11.41	17.09	10.46	12.41	1.01	0.83	37.46	22.60	2.82
3800.0	11.13	16.82	10.50	12.27	1.01	0.83	37.74	22.62	2.91
4000.0	10.86	16.54	10.61	12.22	1.01	0.83	38.01	22.58	2.91
4200.0	10.61	16.25	10.70	12.09	1.01	0.82	38.18	22.64	3.08
4400.0	10.38	15.95	10.71	12.07	1.01	0.82	37.23	22.52	3.05
4600.0	10.16	15.66	10.75	12.17	1.01	0.81	37.41	22.39	3.17
4800.0	9.95	15.37	10.81	12.21	1.00	0.81	37.20	22.18	3.16
5000.0	9.76	15.07	10.83	12.24	1.00	0.80	37.08	22.49	3.21
5200.0	9.58	14.77	10.73	12.40	0.99	0.79	37.25	22.32	3.37
5400.0	9.38	14.52	10.63	12.61	0.99	0.79	36.42	21.84	3.49
5600.0	9.22	14.21	10.28	12.77	0.98	0.79	37.35	22.24	3.56
5800.0	9.04	13.95	9.89	12.90	0.98	0.79	36.99	22.41	3.70
6000.0	8.86	13.68	9.47	13.03	0.97	0.78	36.43	22.18	3.81

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 = 163.15mA @ Temperature = +85°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
20.0	19.50	23.88	6.65	9.26	0.88	0.70	38.58	21.93	2.31
40.0	18.25	22.07	9.92	13.05	0.97	0.66	41.37	23.15	2.12
60.0	17.69	21.56	12.23	15.78	1.02	0.64	40.30	23.06	2.15
80.0	17.44	21.38	13.82	18.09	1.05	0.64	41.81	23.06	2.09
100.0	17.29	21.29	14.85	19.74	1.06	0.64	42.46	22.86	2.10
200.0	17.03	21.19	16.13	22.89	1.09	0.64	45.58	22.95	2.12
400.0	16.84	21.09	16.03	23.47	1.09	0.65	44.17	22.98	2.16
600.0	16.63	20.99	15.27	21.32	1.09	0.67	46.09	23.02	2.16
800.0	16.37	20.85	14.26	19.96	1.08	0.69	42.17	23.04	2.21
1000.0	16.06	20.68	13.38	18.81	1.07	0.71	42.25	23.25	2.29
1200.0	15.73	20.48	12.71	17.67	1.07	0.73	42.60	23.20	2.34
1400.0	15.38	20.26	12.14	16.82	1.06	0.75	42.33	23.21	2.43
1600.0	15.02	20.02	11.70	16.09	1.05	0.77	40.51	23.06	2.46
1800.0	14.65	19.77	11.34	15.46	1.05	0.78	42.04	23.16	2.56
2000.0	14.28	19.52	11.06	14.94	1.04	0.80	40.97	23.29	2.43
2200.0	13.91	19.26	10.89	14.43	1.04	0.81	40.73	23.08	2.53
2400.0	13.55	18.99	10.74	14.07	1.03	0.82	41.99	23.46	2.64
2600.0	13.20	18.72	10.59	13.67	1.03	0.82	40.59	23.56	2.72
2800.0	12.86	18.45	10.52	13.33	1.03	0.83	41.44	23.43	2.75
3000.0	12.52	18.17	10.48	13.05	1.02	0.83	40.61	23.62	2.73
3200.0	12.20	17.90	10.43	12.83	1.02	0.84	41.58	23.61	2.85
3400.0	11.89	17.62	10.43	12.62	1.02	0.84	40.95	23.73	2.92
3600.0	11.60	17.34	10.36	12.52	1.02	0.84	40.11	23.52	2.95
3800.0	11.32	17.06	10.39	12.36	1.01	0.84	40.12	23.54	3.04
4000.0	11.05	16.78	10.48	12.27	1.01	0.83	40.80	23.49	3.10
4200.0	10.80	16.48	10.57	12.12	1.01	0.83	41.19	23.55	3.25
4400.0	10.56	16.18	10.56	12.06	1.00	0.82	39.22	23.43	3.28
4600.0	10.34	15.88	10.60	12.16	1.00	0.82	39.58	23.29	3.35
4800.0	10.13	15.59	10.64	12.17	1.00	0.81	39.27	23.07	3.28
5000.0	9.94	15.28	10.65	12.18	0.99	0.81	39.04	23.39	3.46
5200.0	9.76	14.97	10.55	12.34	0.99	0.80	39.14	23.23	3.58
5400.0	9.55	14.71	10.45	12.58	0.99	0.80	38.67	22.71	3.71
5600.0	9.39	14.39	10.11	12.76	0.97	0.80	39.65	23.14	3.77
5800.0	9.22	14.12	9.73	12.97	0.97	0.80	38.75	23.31	3.92
6000.0	9.04	13.83	9.31	13.17	0.96	0.80	38.54	23.06	4.02

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 = 4.00V, Idd = 88.39mA @ Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
20.0	18.97	23.45	6.86	9.42	0.89	0.71	36.60	19.16	1.71
40.0	17.61	21.44	9.88	12.73	0.95	0.68	37.28	20.09	1.68
60.0	16.91	20.82	12.46	15.14	1.01	0.65	37.09	19.92	1.74
80.0	16.57	20.59	14.13	17.20	1.04	0.65	37.07	19.95	1.72
100.0	16.38	20.48	15.45	18.62	1.06	0.65	38.85	19.83	1.75
200.0	16.06	20.32	18.10	22.08	1.10	0.65	38.88	19.93	1.76
400.0	15.86	20.23	18.29	22.47	1.10	0.65	39.14	19.99	1.80
600.0	15.68	20.13	17.24	21.24	1.10	0.67	37.24	20.06	1.86
800.0	15.45	20.00	16.06	19.86	1.09	0.68	36.38	20.10	1.85
1000.0	15.19	19.84	15.00	18.65	1.09	0.70	35.73	20.20	1.93
1200.0	14.90	19.66	14.12	17.58	1.08	0.72	34.85	20.17	1.95
1400.0	14.58	19.46	13.38	16.74	1.07	0.73	34.73	20.17	1.96
1600.0	14.25	19.25	12.76	16.04	1.07	0.75	33.93	20.07	2.01
1800.0	13.91	19.03	12.27	15.38	1.06	0.77	33.98	20.13	2.03
2000.0	13.57	18.80	11.84	14.88	1.06	0.78	33.70	20.18	1.98
2200.0	13.22	18.57	11.59	14.36	1.05	0.79	33.07	20.11	2.03
2400.0	12.89	18.33	11.39	14.01	1.05	0.80	33.51	20.31	2.11
2600.0	12.56	18.09	11.21	13.64	1.05	0.81	33.15	20.39	2.19
2800.0	12.25	17.83	11.10	13.36	1.04	0.81	33.25	20.34	2.22
3000.0	11.93	17.57	11.04	13.12	1.04	0.82	33.19	20.48	2.19
3200.0	11.64	17.31	11.03	12.89	1.04	0.82	33.35	20.48	2.22
3400.0	11.37	17.04	11.02	12.73	1.03	0.82	33.18	20.56	2.22
3600.0	11.10	16.77	11.02	12.60	1.03	0.82	32.75	20.50	2.29
3800.0	10.85	16.50	11.11	12.41	1.03	0.81	32.87	20.52	2.35
4000.0	10.61	16.22	11.18	12.40	1.03	0.81	32.79	20.51	2.26
4200.0	10.39	15.93	11.25	12.35	1.02	0.80	32.94	20.53	2.50
4400.0	10.18	15.65	11.30	12.35	1.02	0.80	32.57	20.48	2.46
4600.0	9.99	15.36	11.35	12.43	1.02	0.79	32.65	20.39	2.50
4800.0	9.80	15.07	11.36	12.37	1.01	0.78	32.34	20.29	2.48
5000.0	9.63	14.79	11.30	12.50	1.01	0.78	32.60	20.50	2.52
5200.0	9.46	14.51	11.16	12.63	1.00	0.77	32.62	20.43	2.67
5400.0	9.29	14.23	10.90	12.79	1.00	0.77	31.81	20.10	2.73
5600.0	9.11	13.97	10.62	12.74	0.99	0.76	32.37	20.32	2.80
5800.0	8.95	13.72	10.14	12.88	0.98	0.76	32.69	20.50	2.92
6000.0	8.75	13.49	9.67	12.71	0.98	0.76	32.14	20.39	2.99

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 = 4.50V, Idd = 115.55mA @ Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
20.0	19.23	23.57	6.92	9.50	0.88	0.71	40.35	20.47	1.79
40.0	17.86	21.60	10.05	12.88	0.95	0.67	41.25	21.52	1.72
60.0	17.18	20.99	12.52	15.31	1.00	0.65	40.38	21.38	1.79
80.0	16.84	20.78	14.35	17.38	1.04	0.64	41.74	21.41	1.75
100.0	16.66	20.67	15.66	18.80	1.06	0.64	41.68	21.28	1.83
200.0	16.35	20.53	18.37	22.29	1.09	0.64	46.07	21.37	1.82
400.0	16.15	20.44	18.57	22.84	1.10	0.65	42.29	21.42	1.83
600.0	15.97	20.35	17.48	21.79	1.10	0.66	41.22	21.49	1.87
800.0	15.74	20.23	16.29	20.50	1.09	0.68	39.31	21.55	1.87
1000.0	15.48	20.07	15.21	19.34	1.09	0.69	39.45	21.70	1.93
1200.0	15.19	19.90	14.32	18.28	1.08	0.71	38.34	21.65	2.00
1400.0	14.88	19.71	13.56	17.45	1.08	0.73	38.45	21.64	2.03
1600.0	14.55	19.51	12.95	16.74	1.07	0.74	37.31	21.52	2.04
1800.0	14.21	19.29	12.45	16.07	1.07	0.76	37.50	21.56	2.09
2000.0	13.87	19.06	12.00	15.54	1.06	0.78	37.44	21.67	2.01
2200.0	13.53	18.83	11.75	15.00	1.06	0.79	36.66	21.54	2.10
2400.0	13.19	18.59	11.54	14.62	1.06	0.80	37.37	21.80	2.18
2600.0	12.86	18.34	11.35	14.21	1.05	0.80	37.17	21.95	2.26
2800.0	12.55	18.08	11.23	13.88	1.05	0.81	37.20	21.82	2.29
3000.0	12.23	17.82	11.16	13.62	1.05	0.81	37.20	21.99	2.23
3200.0	11.94	17.56	11.16	13.34	1.04	0.81	37.30	22.00	2.31
3400.0	11.66	17.29	11.14	13.14	1.04	0.81	37.21	22.17	2.30
3600.0	11.39	17.01	11.15	12.98	1.04	0.81	36.58	22.06	2.40
3800.0	11.14	16.73	11.21	12.77	1.03	0.81	36.81	22.09	2.38
4000.0	10.90	16.44	11.29	12.72	1.03	0.80	36.67	22.00	2.40
4200.0	10.68	16.15	11.35	12.64	1.03	0.80	37.06	22.09	2.60
4400.0	10.46	15.87	11.39	12.61	1.02	0.79	36.45	22.07	2.55
4600.0	10.26	15.57	11.45	12.67	1.02	0.79	36.36	21.93	2.62
4800.0	10.08	15.27	11.46	12.63	1.01	0.78	35.99	21.75	2.54
5000.0	9.90	14.98	11.41	12.72	1.01	0.77	36.62	22.09	2.62
5200.0	9.73	14.69	11.25	12.88	1.00	0.77	36.47	21.89	2.80
5400.0	9.56	14.41	10.99	13.05	0.99	0.76	35.48	21.43	2.86
5600.0	9.38	14.13	10.71	13.07	0.99	0.76	36.28	21.68	2.97
5800.0	9.22	13.87	10.22	13.27	0.98	0.76	36.63	21.92	3.08
6000.0	9.02	13.63	9.74	13.12	0.97	0.76	35.85	21.73	3.16

Typical Performance Data

Definitions:
Input Return Loss = -S11 (dB)
Gain(Power Gain) = S21 (dB)
Reverse Isolation = -S12 (dB)
Output Return Loss = -S22 (dB)

TEST CONDITIONS: Vd = 4.00V, Idd = 77.60mA @ Temperature = -45°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
20.0	18.64	23.01	7.23	9.28	0.89	0.69	35.76	18.64	1.50
40.0	17.21	20.89	10.14	12.18	0.93	0.66	34.98	19.50	1.34
60.0	16.40	20.19	12.61	14.34	0.99	0.65	35.00	19.32	1.45
80.0	15.98	19.91	14.50	16.24	1.03	0.64	35.01	19.38	1.40
100.0	15.75	19.77	15.99	17.60	1.06	0.64	36.07	19.31	1.48
200.0	15.37	19.56	20.31	21.40	1.10	0.63	37.02	19.44	1.49
400.0	15.17	19.49	21.81	21.20	1.11	0.64	40.72	19.50	1.47
600.0	15.03	19.44	19.75	21.53	1.11	0.65	37.70	19.55	1.51
800.0	14.87	19.36	18.31	21.10	1.11	0.66	38.07	19.60	1.53
1000.0	14.69	19.26	17.05	21.04	1.11	0.68	35.53	19.65	1.57
1200.0	14.49	19.15	16.14	20.00	1.11	0.69	35.87	19.62	1.60
1400.0	14.25	19.03	15.43	18.76	1.10	0.70	35.99	19.61	1.61
1600.0	13.99	18.91	14.58	18.21	1.10	0.72	35.17	19.53	1.69
1800.0	13.73	18.75	13.87	17.87	1.10	0.74	35.51	19.60	1.70
2000.0	13.47	18.59	13.38	17.27	1.09	0.75	34.62	19.60	1.60
2200.0	13.19	18.41	13.05	16.61	1.09	0.76	34.35	19.55	1.66
2400.0	12.92	18.24	12.74	16.11	1.09	0.77	34.56	19.71	1.72
2600.0	12.64	18.05	12.29	15.67	1.08	0.78	33.98	19.77	1.77
2800.0	12.37	17.85	12.03	15.32	1.08	0.79	34.47	19.78	1.74
3000.0	12.10	17.64	11.75	15.01	1.07	0.80	33.99	19.87	1.76
3200.0	11.85	17.43	11.92	14.23	1.07	0.80	34.40	19.90	1.78
3400.0	11.61	17.19	11.94	13.79	1.06	0.80	33.80	19.94	1.77
3600.0	11.39	16.95	11.86	13.61	1.06	0.80	33.59	19.89	1.86
3800.0	11.16	16.71	11.94	13.07	1.05	0.79	33.66	19.89	1.79
4000.0	10.96	16.45	11.86	13.03	1.04	0.79	34.05	19.96	1.81
4200.0	10.77	16.18	11.92	12.79	1.04	0.78	34.27	20.02	1.97
4400.0	10.59	15.91	12.05	12.71	1.03	0.77	33.49	19.95	1.86
4600.0	10.41	15.64	11.71	12.88	1.02	0.78	33.82	19.89	1.94
4800.0	10.26	15.35	11.76	12.83	1.01	0.77	33.47	19.85	1.90
5000.0	10.12	15.05	11.41	13.28	1.01	0.77	33.56	20.07	1.94
5200.0	9.97	14.78	11.33	13.42	1.00	0.76	33.79	20.02	2.10
5400.0	9.83	14.49	11.17	13.40	0.99	0.75	33.21	19.77	2.12
5600.0	9.67	14.22	10.65	13.87	0.98	0.75	33.92	19.92	2.19
5800.0	9.47	14.03	10.37	13.02	0.97	0.75	33.97	20.08	2.29
6000.0	9.32	13.78	9.58	13.89	0.97	0.76	33.53	20.00	2.35

Typical Performance Data

Definitions:
Input Return Loss = -S11 (dB)
Gain(Power Gain) = S21 (dB)
Reverse Isolation = -S12 (dB)
Output Return Loss = -S22 (dB)

TEST CONDITIONS: Vd = 4.50V, Idd = 103.82mA @ Temperature = -45°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
20.0	18.95	23.17	7.36	9.50	0.89	0.69	39.57	20.24	1.60
40.0	17.49	21.08	10.29	12.39	0.93	0.66	40.62	21.20	1.39
60.0	16.68	20.39	12.76	14.46	0.99	0.64	38.35	21.03	1.50
80.0	16.27	20.13	14.72	16.28	1.03	0.63	39.72	21.09	1.46
100.0	16.03	19.99	16.24	17.56	1.05	0.63	38.49	21.00	1.50
200.0	15.66	19.80	20.61	20.82	1.09	0.62	39.09	21.11	1.51
400.0	15.46	19.72	21.97	20.45	1.11	0.63	37.77	21.17	1.53
600.0	15.32	19.67	19.85	20.85	1.11	0.64	38.22	21.25	1.54
800.0	15.15	19.59	18.42	20.68	1.11	0.65	37.29	21.31	1.58
1000.0	14.97	19.48	17.17	20.85	1.11	0.67	38.92	21.43	1.61
1200.0	14.76	19.37	16.25	19.99	1.10	0.68	37.87	21.36	1.66
1400.0	14.52	19.24	15.51	18.91	1.10	0.69	38.27	21.35	1.66
1600.0	14.26	19.10	14.69	18.52	1.10	0.71	37.49	21.24	1.71
1800.0	14.00	18.94	13.97	18.29	1.10	0.73	38.25	21.27	1.70
2000.0	13.73	18.77	13.49	17.75	1.09	0.74	38.05	21.34	1.62
2200.0	13.45	18.58	13.17	17.12	1.09	0.75	37.49	21.25	1.68
2400.0	13.17	18.39	12.88	16.65	1.09	0.76	38.57	21.43	1.74
2600.0	12.89	18.20	12.44	16.23	1.09	0.78	38.40	21.59	1.85
2800.0	12.62	17.98	12.20	15.88	1.08	0.78	38.35	21.53	1.81
3000.0	12.34	17.76	11.92	15.58	1.08	0.79	38.21	21.65	1.74
3200.0	12.09	17.54	12.11	14.77	1.07	0.79	38.34	21.68	1.77
3400.0	11.85	17.29	12.15	14.32	1.07	0.79	38.33	21.84	1.77
3600.0	11.62	17.03	12.07	14.11	1.06	0.79	37.39	21.73	1.80
3800.0	11.39	16.79	12.16	13.54	1.05	0.78	37.68	21.77	1.86
4000.0	11.18	16.52	12.10	13.48	1.05	0.78	37.56	21.71	1.85
4200.0	10.99	16.24	12.20	13.22	1.04	0.77	38.03	21.81	1.99
4400.0	10.81	15.96	12.32	13.12	1.03	0.76	37.26	21.85	2.00
4600.0	10.62	15.69	11.98	13.29	1.02	0.76	37.49	21.73	1.99
4800.0	10.47	15.39	12.00	13.22	1.02	0.75	37.08	21.65	1.96
5000.0	10.31	15.09	11.66	13.68	1.01	0.75	37.41	21.96	2.02
5200.0	10.17	14.81	11.57	13.82	1.00	0.74	37.44	21.79	2.16
5400.0	10.02	14.51	11.39	13.80	0.99	0.73	36.40	21.41	2.23
5600.0	9.86	14.24	10.84	14.30	0.98	0.74	37.09	21.50	2.23
5800.0	9.65	14.05	10.57	13.39	0.97	0.73	37.65	21.69	2.41
6000.0	9.51	13.80	9.70	14.35	0.97	0.74	36.85	21.53	2.44

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 = 4.00V, Idd = 95.86mA @ Temperature = +85°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
20.0	19.09	23.73	6.52	9.39	0.89	0.73	35.96	19.25	1.91
40.0	17.82	21.82	9.61	13.01	0.96	0.68	38.38	20.25	1.86
60.0	17.24	21.27	11.95	15.64	1.02	0.66	37.62	20.10	1.92
80.0	16.96	21.07	13.49	17.86	1.05	0.66	38.00	20.12	1.92
100.0	16.81	20.97	14.59	19.38	1.07	0.65	39.61	19.97	1.97
200.0	16.52	20.85	15.93	22.13	1.09	0.66	39.33	20.06	1.94
400.0	16.32	20.72	15.84	21.98	1.09	0.67	39.42	20.12	2.01
600.0	16.09	20.58	15.01	19.76	1.09	0.68	38.06	20.19	2.01
800.0	15.81	20.40	13.97	18.32	1.07	0.70	37.11	20.23	2.05
1000.0	15.49	20.17	13.10	17.12	1.06	0.72	36.80	20.38	2.12
1200.0	15.14	19.93	12.44	16.04	1.05	0.74	35.60	20.35	2.19
1400.0	14.77	19.67	11.88	15.26	1.04	0.76	35.81	20.36	2.24
1600.0	14.40	19.40	11.46	14.60	1.03	0.77	34.83	20.25	2.29
1800.0	14.02	19.12	11.12	14.06	1.02	0.79	35.05	20.35	2.33
2000.0	13.64	18.84	10.86	13.60	1.01	0.80	34.66	20.42	2.26
2200.0	13.26	18.56	10.70	13.17	1.01	0.81	34.07	20.30	2.32
2400.0	12.89	18.29	10.59	12.88	1.01	0.81	34.63	20.54	2.42
2600.0	12.54	18.01	10.46	12.56	1.00	0.82	34.10	20.61	2.50
2800.0	12.20	17.73	10.42	12.31	1.00	0.82	34.36	20.53	2.50
3000.0	11.86	17.46	10.40	12.13	1.00	0.83	34.13	20.70	2.48
3200.0	11.53	17.19	10.39	11.98	1.00	0.83	34.51	20.69	2.58
3400.0	11.23	16.91	10.40	11.86	1.00	0.83	33.97	20.75	2.61
3600.0	10.95	16.63	10.37	11.82	1.00	0.83	33.60	20.67	2.65
3800.0	10.67	16.36	10.43	11.72	1.00	0.83	33.64	20.67	2.68
4000.0	10.40	16.09	10.56	11.73	1.00	0.82	33.83	20.65	2.68
4200.0	10.16	15.80	10.65	11.63	1.00	0.82	33.86	20.66	2.89
4400.0	9.93	15.52	10.69	11.67	1.00	0.81	33.19	20.55	2.83
4600.0	9.71	15.23	10.73	11.76	1.00	0.81	33.35	20.47	2.95
4800.0	9.51	14.96	10.78	11.83	1.00	0.80	33.09	20.34	2.91
5000.0	9.31	14.67	10.83	11.89	1.00	0.79	32.94	20.54	3.05
5200.0	9.14	14.38	10.71	12.03	0.99	0.79	33.08	20.47	3.14
5400.0	8.94	14.13	10.59	12.16	1.00	0.78	32.58	20.12	3.23
5600.0	8.78	13.84	10.25	12.26	0.99	0.78	33.16	20.43	3.30
5800.0	8.59	13.61	9.86	12.26	0.98	0.78	33.02	20.55	3.42
6000.0	8.41	13.34	9.43	12.26	0.98	0.77	32.46	20.41	3.45

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 = 4.50V, Idd = 122.40mA @ Temperature = +85°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
20.0	19.32	23.80	6.59	9.38	0.88	0.72	38.75	20.50	2.01
40.0	18.05	21.95	9.79	13.08	0.96	0.67	39.73	21.57	1.93
60.0	17.48	21.40	12.21	15.75	1.02	0.65	39.67	21.45	1.99
80.0	17.21	21.22	13.72	18.02	1.05	0.65	41.11	21.46	1.95
100.0	17.06	21.13	14.83	19.60	1.07	0.64	43.32	21.30	2.00
200.0	16.78	21.02	16.17	22.54	1.09	0.65	46.64	21.40	2.01
400.0	16.58	20.90	16.08	22.73	1.09	0.66	44.25	21.41	2.01
600.0	16.36	20.78	15.26	20.52	1.09	0.67	41.65	21.50	2.04
800.0	16.09	20.61	14.22	19.10	1.08	0.69	40.34	21.55	2.11
1000.0	15.78	20.41	13.33	17.94	1.07	0.72	39.82	21.73	2.16
1200.0	15.44	20.19	12.65	16.83	1.06	0.74	38.64	21.69	2.24
1400.0	15.08	19.94	12.08	16.02	1.05	0.75	38.86	21.70	2.27
1600.0	14.71	19.69	11.66	15.33	1.04	0.77	37.49	21.57	2.36
1800.0	14.33	19.42	11.30	14.76	1.03	0.78	37.63	21.66	2.33
2000.0	13.96	19.15	11.03	14.28	1.03	0.80	37.49	21.77	2.31
2200.0	13.59	18.88	10.87	13.81	1.02	0.80	36.83	21.59	2.37
2400.0	13.22	18.60	10.74	13.50	1.02	0.81	37.48	21.90	2.53
2600.0	12.87	18.33	10.62	13.15	1.02	0.82	37.02	21.99	2.55
2800.0	12.53	18.05	10.55	12.86	1.01	0.82	37.31	21.88	2.59
3000.0	12.19	17.77	10.53	12.64	1.01	0.83	36.78	22.06	2.57
3200.0	11.87	17.50	10.49	12.46	1.01	0.83	37.51	22.05	2.65
3400.0	11.56	17.22	10.51	12.31	1.01	0.83	37.01	22.15	2.68
3600.0	11.27	16.94	10.46	12.25	1.01	0.83	36.34	22.03	2.77
3800.0	10.99	16.66	10.52	12.13	1.01	0.83	36.34	22.04	2.81
4000.0	10.72	16.39	10.65	12.10	1.01	0.82	36.59	21.99	2.81
4200.0	10.48	16.10	10.74	11.98	1.01	0.82	36.79	22.04	2.98
4400.0	10.25	15.81	10.75	11.98	1.01	0.81	35.96	21.91	2.99
4600.0	10.02	15.52	10.80	12.08	1.01	0.81	36.15	21.81	3.08
4800.0	9.82	15.23	10.86	12.13	1.00	0.80	35.82	21.62	3.04
5000.0	9.63	14.93	10.88	12.16	1.00	0.79	35.74	21.90	3.12
5200.0	9.45	14.64	10.77	12.32	0.99	0.79	35.82	21.75	3.31
5400.0	9.24	14.39	10.68	12.51	1.00	0.79	35.12	21.31	3.38
5600.0	9.08	14.08	10.31	12.65	0.99	0.78	35.92	21.68	3.46
5800.0	8.90	13.83	9.92	12.72	0.98	0.78	35.88	21.83	3.58
6000.0	8.72	13.57	9.49	12.81	0.98	0.78	35.23	21.62	3.65