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 = 3.90V, Id = 66.70mA @ 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)
1000.0	10.62	51.60	1.70	20.50	17.94	1.66	24.69	12.99	12.02
1100.0	11.81	54.66	2.02	18.60	25.35	1.61	25.59	13.69	10.23
1200.0	12.95	57.64	2.27	16.71	34.22	1.56	26.31	14.35	9.45
1300.0	13.75	65.02	2.82	15.21	84.77	1.48	26.72	14.65	8.83
1400.0	14.41	60.75	3.37	14.04	53.80	1.40	26.59	14.63	8.24
1500.0	14.91	58.53	3.83	13.71	42.72	1.35	26.38	14.48	7.83
1600.0	15.37	52.36	4.63	12.39	21.94	1.26	26.70	14.37	7.39
1700.0	15.33	47.21	4.78	13.60	12.65	1.27	26.59	14.69	7.12
1800.0	15.65	47.14	5.25	13.72	12.68	1.24	26.49	14.55	6.79
1900.0	15.82	46.38	5.80	13.85	11.98	1.21	26.46	14.35	6.51
2000.0	15.92	45.28	6.22	14.11	10.80	1.19	26.45	14.45	6.28
2100.0	16.00	45.26	6.64	14.37	11.00	1.17	26.78	14.81	6.09
2200.0	16.00	43.32	7.09	14.52	9.04	1.15	26.59	14.82	5.92
2300.0	15.97	42.66	7.41	14.75	8.55	1.14	26.48	14.44	5.68
2400.0	15.97	42.10	7.60	15.58	8.14	1.14	26.34	14.54	5.56
2500.0	16.02	41.58	7.94	15.62	7.73	1.13	26.38	14.67	5.40
2600.0	15.92	40.75	8.10	15.91	7.17	1.13	26.06	14.41	5.34
2700.0	15.86	40.03	8.17	17.17	6.70	1.13	25.94	14.12	5.32
2800.0	15.94	39.95	8.45	17.47	6.67	1.12	25.98	14.16	5.22
2900.0	15.86	39.82	8.60	17.97	6.68	1.12	26.13	14.33	5.17
3000.0	15.91	38.85	8.59	18.43	5.94	1.12	25.91	14.51	4.97
3100.0	15.89	38.44	8.57	19.39	5.70	1.13	25.54	14.07	4.90
3200.0	16.04	37.77	8.58	19.68	5.20	1.13	25.49	14.13	4.78
3300.0	16.10	37.88	8.97	19.88	5.31	1.11	25.09	13.32	4.71
3400.0	16.07	38.27	9.06	21.48	5.61	1.11	25.14	13.65	4.68
3500.0	16.05	37.92	9.08	22.93	5.43	1.11	24.89	12.80	4.58
3600.0	16.31	37.29	9.25	23.11	4.93	1.11	24.98	13.27	4.50
3800.0	16.66	37.96	9.36	23.87	5.14	1.11	24.66	13.22	4.34
4000.0	17.21	36.74	9.35	22.02	4.19	1.10	24.29	12.93	4.13
4200.0	17.76	36.95	9.29	20.76	4.02	1.10	24.07	12.92	4.09
4400.0	17.93	36.50	9.55	19.15	3.76	1.09	24.11	12.90	3.85
4600.0	18.29	35.75	9.57	16.71	3.28	1.08	24.40	13.24	3.65
4800.0	18.40	35.84	9.29	16.01	3.23	1.08	24.54	13.15	3.49
5000.0	18.12	36.25	9.39	14.54	3.46	1.07	25.11	13.06	3.24
5200.0	17.75	35.33	9.74	14.06	3.26	1.06	25.73	13.23	3.25
5400.0	16.94	35.01	9.88	14.35	3.47	1.06	26.49	14.53	3.22
5600.0	15.72	34.51	10.44	15.41	3.86	1.05	26.90	14.45	3.20
5800.0	14.42	34.97	11.08	17.08	4.84	1.05	27.11	15.25	3.24
6000.0	12.91	35.43	11.47	18.57	6.14	1.05	26.25	14.99	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 = 2.80V, Id = 63.12mA @ 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)
1000.0	8.81	52.48	1.77	17.44	25.16	1.63	21.96	10.31	12.38
1100.0	9.88	55.93	2.10	16.74	37.55	1.58	22.30	11.03	10.68
1200.0	10.87	56.52	2.38	15.59	39.36	1.53	22.90	11.53	9.89
1300.0	11.60	70.33	2.88	14.47	201.85	1.46	23.31	11.95	9.28
1400.0	12.19	60.77	3.38	13.48	69.37	1.39	23.22	12.12	8.68
1500.0	12.67	57.34	3.79	13.04	47.54	1.35	23.22	12.17	8.33
1600.0	13.08	52.40	4.49	11.94	27.99	1.27	23.38	12.20	7.92
1700.0	13.11	46.98	4.61	12.61	15.38	1.27	23.41	12.28	7.63
1800.0	13.44	46.80	5.02	12.51	15.16	1.24	23.26	12.30	7.30
1900.0	13.63	46.03	5.48	12.45	14.17	1.21	23.47	12.31	7.02
2000.0	13.76	44.90	5.86	12.48	12.66	1.19	23.42	12.31	6.80
2100.0	13.88	44.84	6.23	12.54	12.76	1.17	23.55	12.49	6.63
2200.0	13.91	42.82	6.61	12.52	10.30	1.15	23.35	12.60	6.40
2300.0	13.93	42.15	6.90	12.57	9.68	1.14	23.40	12.34	6.21
2400.0	13.95	41.60	7.07	13.01	9.19	1.14	23.35	12.33	6.07
2500.0	14.03	41.00	7.39	12.98	8.64	1.12	23.38	12.36	5.95
2600.0	13.98	40.11	7.57	13.09	7.92	1.12	23.18	12.30	5.85
2700.0	13.95	39.41	7.63	13.77	7.40	1.13	23.21	12.21	5.82
2800.0	14.04	39.25	7.91	13.94	7.29	1.12	23.34	12.27	5.71
2900.0	14.00	39.08	8.09	14.16	7.25	1.12	23.34	12.34	5.66
3000.0	14.06	38.04	8.12	14.43	6.41	1.12	23.25	12.36	5.46
3100.0	14.06	37.65	8.14	14.90	6.15	1.12	23.01	12.07	5.38
3200.0	14.20	36.94	8.19	15.16	5.60	1.12	22.94	12.08	5.27
3300.0	14.28	37.05	8.59	15.17	5.72	1.11	22.81	11.61	5.17
3400.0	14.27	37.30	8.72	15.86	5.95	1.11	22.71	11.77	5.15
3500.0	14.27	36.87	8.80	16.33	5.70	1.11	22.61	11.31	5.03
3600.0	14.48	36.20	9.00	16.81	5.21	1.10	22.50	11.38	4.92
3800.0	14.86	36.77	9.27	16.61	5.37	1.09	22.31	11.35	4.72
4000.0	15.35	35.52	9.45	15.93	4.41	1.08	22.06	10.94	4.48
4200.0	15.91	35.64	9.53	15.06	4.18	1.08	21.95	10.85	4.33
4400.0	16.12	35.15	9.83	14.25	3.86	1.06	22.08	10.78	4.15
4600.0	16.59	34.57	9.82	13.02	3.38	1.05	22.33	11.05	3.91
4800.0	16.82	34.53	9.44	12.82	3.24	1.05	22.50	11.12	3.72
5000.0	16.70	34.93	9.34	12.12	3.40	1.04	23.10	11.43	3.47
5200.0	16.44	34.19	9.35	12.11	3.22	1.04	23.46	12.08	3.45
5400.0	15.58	33.91	9.32	12.66	3.47	1.05	24.15	12.89	3.44
5600.0	14.16	33.47	9.72	13.37	3.97	1.05	24.10	12.85	3.46
5800.0	12.62	33.86	10.26	14.04	5.07	1.04	23.96	13.11	3.59
6000.0	10.84	34.24	10.69	13.96	6.55	1.03	22.73	12.36	3.95

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 = 70.20mA @ 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)
1000.0	11.58	50.91	1.66	23.17	14.63	1.67	25.70	14.38	11.89
1100.0	12.85	54.10	1.97	19.58	20.81	1.62	27.13	15.02	10.12
1200.0	14.05	59.41	2.22	17.17	36.29	1.57	27.91	15.56	9.24
1300.0	14.91	62.32	2.78	15.58	53.88	1.49	28.71	15.91	8.71
1400.0	15.60	60.43	3.35	14.43	45.19	1.41	28.26	15.92	8.08
1500.0	16.12	59.84	3.85	14.26	43.57	1.36	28.09	15.70	7.67
1600.0	16.59	52.41	4.73	12.85	19.52	1.26	28.27	15.61	7.23
1700.0	16.49	47.53	4.89	14.62	11.73	1.27	28.28	15.87	6.93
1800.0	16.80	47.41	5.40	15.04	11.76	1.24	28.00	15.70	6.62
1900.0	16.94	46.77	5.98	15.44	11.33	1.21	28.10	15.55	6.31
2000.0	17.00	45.74	6.44	16.00	10.34	1.19	28.43	15.74	6.11
2100.0	17.06	45.86	6.89	16.58	10.75	1.18	28.45	16.02	5.94
2200.0	17.01	43.80	7.39	16.95	8.77	1.16	28.44	16.13	5.74
2300.0	16.95	43.19	7.70	17.41	8.36	1.15	28.22	15.66	5.52
2400.0	16.93	42.69	7.91	18.83	8.03	1.15	28.15	15.69	5.43
2500.0	16.94	42.25	8.28	18.93	7.74	1.13	27.98	15.75	5.28
2600.0	16.82	41.38	8.42	19.41	7.15	1.13	27.56	15.47	5.15
2700.0	16.75	40.61	8.48	21.53	6.65	1.13	27.54	15.29	5.18
2800.0	16.82	40.60	8.74	21.72	6.66	1.13	27.66	15.41	5.05
2900.0	16.72	40.48	8.88	22.66	6.68	1.12	27.47	15.54	4.99
3000.0	16.77	39.50	8.83	22.82	5.94	1.12	27.45	15.73	4.86
3100.0	16.72	39.27	8.80	24.35	5.82	1.12	26.89	15.14	4.69
3200.0	16.88	38.63	8.77	23.33	5.30	1.12	26.98	15.33	4.62
3300.0	16.93	38.63	9.12	24.25	5.34	1.11	26.47	14.64	4.52
3400.0	16.90	38.96	9.18	25.58	5.60	1.11	26.72	14.98	4.59
3500.0	16.88	38.61	9.08	26.98	5.38	1.11	26.15	14.28	4.40
3600.0	17.14	38.07	9.28	23.84	4.94	1.10	25.93	14.61	4.33
3800.0	17.49	38.77	9.23	26.41	5.15	1.11	25.96	14.62	4.13
4000.0	18.04	37.62	9.20	25.96	4.24	1.10	25.49	14.14	4.00
4200.0	18.59	37.93	8.98	27.69	4.10	1.11	25.34	14.04	3.92
4400.0	18.70	37.35	9.22	27.56	3.81	1.11	25.29	13.94	3.71
4600.0	18.97	36.56	9.28	22.45	3.37	1.10	25.63	14.34	3.55
4800.0	19.01	36.71	9.04	20.73	3.37	1.11	25.87	14.30	3.38
5000.0	18.61	37.11	9.29	17.73	3.67	1.09	26.12	14.53	3.17
5200.0	18.16	36.04	9.83	16.45	3.44	1.07	27.12	15.05	3.23
5400.0	17.36	35.71	10.08	16.21	3.65	1.07	27.80	15.89	3.20
5600.0	16.22	35.19	10.76	16.86	4.00	1.06	28.30	15.50	3.12
5800.0	15.08	35.78	11.49	18.33	4.97	1.05	28.46	16.16	3.14
6000.0	13.75	36.45	11.91	20.23	6.33	1.05	28.34	15.81	3.44

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 = 3.90V, Id = 62.92mA @ 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)
1000.0	11.32	51.07	1.61	20.04	14.97	1.67	24.79	13.24	10.84
1100.0	12.55	54.72	1.94	18.80	22.74	1.62	25.53	14.04	9.10
1200.0	13.68	57.44	2.33	16.97	31.31	1.55	26.37	14.58	8.26
1300.0	14.58	58.68	2.71	15.64	36.10	1.50	26.93	14.89	7.70
1400.0	15.29	64.56	3.19	14.22	72.64	1.42	26.67	14.89	7.10
1500.0	15.85	74.08	3.69	13.46	223.07	1.36	26.58	14.68	6.68
1600.0	16.25	61.64	4.32	12.58	55.54	1.29	26.75	14.61	6.31
1700.0	16.23	48.50	4.66	13.18	12.99	1.27	27.01	14.77	6.09
1800.0	16.72	50.76	5.05	13.15	16.56	1.25	26.63	14.62	5.71
1900.0	16.91	48.26	5.60	13.25	12.83	1.21	26.58	14.47	5.42
2000.0	17.04	48.20	6.05	13.24	12.99	1.19	26.81	14.56	5.22
2100.0	17.14	46.80	6.49	13.51	11.31	1.17	26.97	14.94	5.06
2200.0	17.18	46.20	6.86	13.54	10.74	1.15	26.66	15.04	4.86
2300.0	17.11	48.39	7.51	13.82	14.47	1.13	26.60	14.56	4.63
2400.0	17.06	43.57	7.61	14.80	8.46	1.13	26.46	14.67	4.55
2500.0	17.11	42.02	7.90	15.25	7.16	1.13	26.62	14.75	4.42
2600.0	17.00	43.09	8.15	16.34	8.34	1.13	26.16	14.42	4.34
2700.0	16.94	42.87	8.35	16.59	8.25	1.12	26.24	14.33	4.28
2800.0	16.97	40.88	8.35	17.26	6.57	1.13	26.40	14.48	4.21
2900.0	17.08	40.53	8.62	17.65	6.29	1.12	26.32	14.68	4.14
3000.0	17.02	40.33	8.56	18.08	6.19	1.12	26.36	14.92	3.95
3100.0	16.88	39.08	8.25	19.86	5.42	1.14	25.77	14.38	3.93
3200.0	17.19	39.04	9.00	20.97	5.38	1.12	25.83	14.46	3.74
3300.0	17.19	39.19	8.95	21.34	5.46	1.12	25.41	13.94	3.71
3400.0	17.27	38.49	8.83	21.46	4.98	1.12	25.61	14.02	3.66
3500.0	17.31	38.20	9.37	24.35	4.91	1.11	25.25	13.55	3.53
3600.0	17.52	38.74	9.23	23.61	5.07	1.11	25.26	13.89	3.48
3800.0	18.14	38.18	9.35	23.44	4.45	1.10	24.96	13.83	3.24
4000.0	18.54	37.28	9.28	22.86	3.84	1.10	24.52	13.39	3.06
4200.0	19.21	36.87	8.99	20.07	3.34	1.11	24.38	13.29	3.10
4400.0	19.84	39.00	8.55	19.11	3.89	1.12	24.08	13.02	2.87
4600.0	19.97	35.76	8.55	15.01	2.58	1.10	24.54	13.37	2.65
4800.0	20.07	35.89	8.49	14.49	2.58	1.09	24.54	13.33	2.48
5000.0	20.00	35.27	8.86	13.33	2.43	1.07	25.06	13.71	2.26
5200.0	19.44	34.96	8.43	13.33	2.46	1.08	25.83	14.06	2.29
5400.0	18.50	34.50	8.95	13.01	2.63	1.07	26.76	15.00	2.21
5600.0	17.37	33.85	9.69	13.49	2.86	1.05	27.15	14.74	2.14
5800.0	15.98	33.01	9.61	16.65	3.14	1.07	27.69	15.52	2.20
6000.0	14.53	33.66	10.49	15.87	4.04	1.05	27.16	15.13	2.41

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 = 2.80V, Id = 55.71mA @ 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)
1000.0	9.56	51.60	1.69	16.96	19.95	1.64	22.04	10.80	11.25
1100.0	10.67	55.46	2.00	16.47	31.30	1.59	22.63	11.70	9.53
1200.0	11.69	58.63	2.40	15.46	45.66	1.53	23.33	12.26	8.72
1300.0	12.51	60.17	2.75	14.50	54.59	1.48	23.75	12.62	8.11
1400.0	13.15	67.36	3.21	13.34	127.59	1.41	23.69	12.80	7.55
1500.0	13.68	70.56	3.66	12.65	188.07	1.35	23.61	12.78	7.14
1600.0	14.05	60.55	4.22	11.89	61.54	1.29	23.88	12.76	6.77
1700.0	14.08	48.45	4.50	12.15	15.99	1.27	23.78	12.83	6.55
1800.0	14.54	50.51	4.87	12.02	19.97	1.24	23.67	12.81	6.16
1900.0	14.74	47.98	5.34	11.94	15.29	1.21	23.99	12.76	5.91
2000.0	14.89	47.88	5.74	11.81	15.35	1.18	23.90	12.81	5.70
2100.0	15.01	46.56	6.12	11.90	13.40	1.16	23.96	13.03	5.50
2200.0	15.07	45.78	6.46	11.85	12.43	1.14	23.76	13.12	5.31
2300.0	15.05	47.85	6.99	11.96	16.40	1.12	23.79	12.83	5.12
2400.0	15.03	43.05	7.10	12.50	9.58	1.13	23.78	12.83	5.01
2500.0	15.10	41.39	7.38	12.72	7.98	1.12	23.74	12.88	4.82
2600.0	15.01	42.55	7.64	13.35	9.39	1.12	23.52	12.81	4.80
2700.0	15.00	42.26	7.80	13.44	9.15	1.12	23.51	12.73	4.78
2800.0	15.05	40.17	7.84	13.74	7.19	1.12	23.65	12.78	4.66
2900.0	15.16	39.69	8.11	13.93	6.80	1.11	23.64	12.87	4.56
3000.0	15.11	39.61	8.10	14.17	6.79	1.12	23.42	12.92	4.37
3100.0	14.99	38.29	7.89	15.12	5.91	1.13	23.15	12.54	4.31
3200.0	15.31	38.33	8.54	15.60	5.89	1.11	23.09	12.67	4.19
3300.0	15.31	38.42	8.57	15.71	5.97	1.11	22.92	12.09	4.10
3400.0	15.41	37.47	8.49	15.78	5.28	1.11	22.78	12.30	4.09
3500.0	15.44	37.38	9.03	16.86	5.35	1.10	22.67	11.87	3.91
3600.0	15.64	37.88	8.93	16.49	5.50	1.10	22.47	12.00	3.83
3800.0	16.19	37.03	9.22	16.64	4.74	1.10	22.15	11.90	3.64
4000.0	16.55	36.15	9.29	15.99	4.11	1.09	21.94	11.57	3.46
4200.0	17.18	35.69	9.11	14.57	3.57	1.08	21.71	11.48	3.47
4400.0	17.73	37.57	8.90	13.96	4.10	1.08	21.68	11.21	3.14
4600.0	17.99	34.67	8.87	12.01	2.78	1.06	21.86	11.50	2.90
4800.0	18.19	34.66	8.68	11.85	2.70	1.06	22.08	11.54	2.73
5000.0	18.26	34.21	8.87	11.32	2.54	1.04	22.68	11.75	2.46
5200.0	17.89	33.90	8.24	11.47	2.52	1.06	23.15	12.49	2.49
5400.0	17.00	33.43	8.53	11.66	2.67	1.06	24.13	13.30	2.43
5600.0	15.82	32.98	9.04	11.92	2.99	1.04	24.41	13.22	2.42
5800.0	14.25	32.31	8.96	13.76	3.41	1.06	24.78	13.72	2.43
6000.0	12.62	32.76	9.86	12.86	4.38	1.03	23.83	13.19	2.79

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 = 68.57mA @ 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)
1000.0	12.34	50.58	1.57	22.82	12.32	1.69	25.91	14.66	10.66
1100.0	13.65	54.01	1.88	20.11	18.10	1.63	27.29	15.19	8.91
1200.0	14.86	56.58	2.28	17.57	24.37	1.57	28.33	15.64	8.09
1300.0	15.82	57.84	2.67	16.07	28.13	1.50	29.01	15.98	7.48
1400.0	16.57	63.26	3.17	14.59	53.85	1.43	28.63	15.90	6.88
1500.0	17.16	75.58	3.70	13.92	229.49	1.37	28.05	15.67	6.49
1600.0	17.56	60.89	4.40	12.97	44.46	1.29	28.29	15.55	6.13
1700.0	17.47	48.69	4.74	13.83	11.72	1.27	28.50	15.85	5.84
1800.0	17.99	50.88	5.17	14.15	14.85	1.25	28.38	15.70	5.59
1900.0	18.15	48.42	5.77	14.49	11.64	1.22	28.26	15.54	5.26
2000.0	18.26	48.38	6.26	14.68	11.89	1.19	28.65	15.66	5.03
2100.0	18.32	47.14	6.75	15.20	10.58	1.17	28.65	16.09	5.08
2200.0	18.32	46.40	7.15	15.39	9.95	1.16	28.79	16.15	4.64
2300.0	18.23	48.88	7.84	15.83	13.89	1.13	28.94	15.65	4.63
2400.0	18.15	43.92	7.97	17.49	8.04	1.14	28.04	15.74	4.44
2500.0	18.16	42.54	8.26	18.22	6.95	1.13	28.23	15.81	4.31
2600.0	18.02	43.61	8.54	20.01	8.11	1.13	28.03	15.42	4.09
2700.0	17.95	43.24	8.73	20.60	7.90	1.12	27.67	15.36	4.17
2800.0	17.97	41.33	8.67	21.92	6.33	1.13	28.01	15.54	3.80
2900.0	18.07	41.15	8.96	22.40	6.20	1.12	28.09	15.72	3.95
3000.0	17.97	40.86	8.88	23.35	6.05	1.12	28.13	15.97	3.77
3100.0	17.79	39.62	8.50	27.69	5.32	1.14	27.54	15.30	3.71
3200.0	18.15	39.77	9.31	27.75	5.34	1.11	27.47	15.55	3.53
3300.0	18.13	39.89	9.23	28.50	5.42	1.11	26.99	14.84	3.50
3400.0	18.21	39.18	8.99	27.75	4.91	1.12	27.09	15.21	3.47
3500.0	18.26	38.82	9.59	31.76	4.79	1.10	26.72	14.51	3.32
3600.0	18.46	39.54	9.37	32.13	5.05	1.11	26.90	14.95	3.28
3800.0	19.13	39.15	9.36	25.65	4.48	1.10	26.50	15.02	3.09
4000.0	19.54	38.30	9.20	28.75	3.87	1.10	26.03	14.48	2.91
4200.0	20.23	37.92	8.72	28.04	3.37	1.12	25.69	14.37	3.01
4400.0	20.91	40.53	8.04	25.96	4.08	1.14	25.43	14.03	2.74
4600.0	20.89	36.83	8.18	18.95	2.66	1.13	26.06	14.54	2.54
4800.0	20.94	36.91	8.07	18.21	2.65	1.13	26.07	14.35	2.39
5000.0	20.68	36.06	8.71	15.78	2.50	1.09	26.23	14.73	2.14
5200.0	20.01	35.71	8.52	15.52	2.57	1.10	27.41	15.13	2.21
5400.0	19.03	35.31	9.06	14.44	2.76	1.08	28.07	16.11	2.17
5600.0	17.99	34.74	9.99	14.48	3.00	1.06	28.85	15.63	2.10
5800.0	16.65	33.64	9.89	18.04	3.16	1.08	29.31	16.58	2.10
6000.0	15.41	34.40	10.92	17.09	4.03	1.06	29.26	16.24	2.33

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 = 3.90V, Id = 72.28mA @ 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)
1000.0	9.85	50.60	1.79	20.45	18.21	1.65	24.87	13.13	13.07
1100.0	11.04	53.69	2.15	18.43	26.00	1.59	25.64	13.91	11.25
1200.0	12.01	56.12	2.51	16.34	34.27	1.53	26.47	14.52	10.47
1300.0	12.84	58.03	2.90	15.01	42.77	1.47	27.08	14.92	9.83
1400.0	13.47	61.83	3.37	13.93	67.68	1.40	26.67	14.98	9.25
1500.0	13.98	76.35	3.89	13.53	371.13	1.35	26.15	14.86	8.81
1600.0	14.22	60.43	4.40	13.09	62.06	1.29	26.75	14.85	8.38
1700.0	14.33	49.64	4.84	13.68	18.85	1.27	26.77	14.97	8.10
1800.0	14.67	51.62	5.22	13.65	23.62	1.24	26.41	14.85	7.74
1900.0	14.81	49.12	5.73	13.91	18.32	1.21	26.63	14.78	7.46
2000.0	14.90	48.15	6.18	14.16	16.79	1.19	26.59	14.87	7.25
2100.0	14.96	47.15	6.62	14.40	15.35	1.17	26.61	15.08	7.02
2200.0	14.98	46.06	6.97	14.56	13.79	1.16	26.61	15.16	6.84
2300.0	14.77	46.89	7.53	15.32	16.12	1.14	26.56	14.81	6.68
2400.0	14.87	43.92	7.74	15.80	11.46	1.14	26.47	14.87	6.50
2500.0	14.80	42.75	7.95	16.61	10.23	1.14	26.43	14.88	6.39
2600.0	14.75	43.09	8.23	17.02	10.84	1.13	26.04	14.66	6.28
2700.0	14.74	42.77	8.55	17.37	10.62	1.12	26.02	14.56	6.25
2800.0	14.68	40.96	8.52	18.03	8.69	1.12	26.13	14.64	6.33
2900.0	14.66	41.58	8.86	19.09	9.51	1.12	26.01	14.72	6.10
3000.0	14.62	40.94	8.90	19.50	8.90	1.12	26.09	14.78	5.94
3100.0	14.46	39.44	8.87	20.52	7.64	1.12	25.68	14.33	5.86
3200.0	14.80	39.18	8.91	20.40	7.14	1.12	25.67	14.43	5.71
3300.0	14.72	39.91	9.32	21.83	7.96	1.11	25.33	13.90	5.65
3400.0	14.79	39.12	9.25	22.03	7.21	1.11	25.18	14.01	5.63
3500.0	14.92	38.16	9.49	22.38	6.41	1.10	25.00	13.61	5.47
3600.0	15.05	40.31	9.29	23.56	8.06	1.11	24.86	13.68	5.41
3800.0	15.44	38.47	9.49	23.95	6.29	1.10	24.72	13.60	5.22
4000.0	15.90	37.72	9.26	21.16	5.40	1.11	24.31	13.24	5.05
4200.0	16.31	36.62	9.33	21.32	4.57	1.10	24.21	13.21	4.88
4400.0	16.71	39.50	8.87	20.96	5.98	1.12	24.32	13.09	4.78
4600.0	16.88	36.67	9.02	17.70	4.20	1.10	24.52	13.40	4.54
4800.0	16.87	36.05	9.23	17.44	3.95	1.09	24.71	13.52	4.36
5000.0	16.68	35.48	9.40	16.57	3.79	1.09	25.29	13.87	4.12
5200.0	16.13	35.29	9.06	16.61	3.91	1.09	25.94	14.40	4.15
5400.0	15.33	34.49	9.92	16.60	4.01	1.07	26.72	15.01	4.12
5600.0	14.09	33.81	10.11	17.93	4.32	1.07	26.87	14.82	4.17
5800.0	12.70	33.98	10.78	19.58	5.28	1.07	26.91	15.26	4.21
6000.0	11.20	34.08	11.48	19.06	6.42	1.05	26.17	14.78	4.59

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 = 2.80V, Id = 68.91mA @ 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)
1000.0	7.93	51.42	1.87	17.59	25.63	1.62	21.28	9.91	13.54
1100.0	8.99	54.89	2.23	16.83	38.68	1.57	21.64	10.51	11.76
1200.0	9.86	57.67	2.58	15.49	53.35	1.51	22.16	10.98	11.00
1300.0	10.60	59.92	2.95	14.41	69.40	1.45	22.51	11.38	10.40
1400.0	11.17	65.08	3.38	13.47	127.87	1.39	22.47	11.54	9.82
1500.0	11.65	81.67	3.84	13.02	884.01	1.34	22.38	11.72	9.39
1600.0	11.89	59.76	4.29	12.54	73.39	1.30	22.60	11.73	9.01
1700.0	12.03	49.30	4.67	12.77	22.90	1.27	22.69	11.69	8.69
1800.0	12.37	51.23	5.01	12.56	28.41	1.24	22.39	11.78	8.36
1900.0	12.54	48.67	5.44	12.59	21.66	1.21	22.66	11.78	8.09
2000.0	12.67	47.79	5.83	12.62	19.95	1.19	22.77	11.86	7.86
2100.0	12.76	46.76	6.21	12.67	18.03	1.17	22.73	11.93	7.65
2200.0	12.82	45.63	6.52	12.66	16.05	1.16	22.72	11.96	8.09
2300.0	12.68	46.21	7.00	13.05	18.08	1.14	22.69	11.82	7.40
2400.0	12.79	43.37	7.20	13.28	13.00	1.14	22.66	11.86	7.08
2500.0	12.77	42.09	7.41	13.72	11.44	1.13	22.86	11.86	6.98
2600.0	12.75	42.56	7.67	13.89	12.26	1.13	22.65	11.85	6.87
2700.0	12.77	42.20	7.98	14.04	11.92	1.12	22.69	11.93	6.80
2800.0	12.73	40.29	7.99	14.39	9.63	1.12	22.85	11.92	6.73
2900.0	12.74	40.62	8.30	15.01	10.18	1.11	22.87	12.03	6.61
3000.0	12.73	40.14	8.39	15.15	9.68	1.11	22.80	12.01	6.68
3100.0	12.61	38.77	8.40	15.58	8.41	1.12	22.62	11.90	6.41
3200.0	12.91	38.25	8.48	15.86	7.69	1.12	22.50	11.88	6.29
3300.0	12.88	38.94	8.89	16.41	8.53	1.11	22.50	11.67	6.19
3400.0	12.94	38.00	8.90	16.59	7.60	1.11	22.33	11.62	6.20
3500.0	13.08	37.28	9.13	16.66	6.95	1.10	22.42	11.47	5.96
3600.0	13.21	38.87	9.07	17.39	8.24	1.11	22.17	11.42	5.92
3800.0	13.58	37.20	9.35	17.39	6.58	1.10	22.05	11.32	5.66
4000.0	14.02	36.31	9.34	16.12	5.60	1.09	21.90	11.20	5.51
4200.0	14.47	35.44	9.50	15.68	4.83	1.08	21.92	11.23	5.30
4400.0	14.88	37.62	9.18	15.39	5.85	1.09	21.90	11.12	5.12
4600.0	15.20	35.40	9.26	13.79	4.32	1.07	22.25	11.57	4.85
4800.0	15.33	34.78	9.31	13.80	3.99	1.07	22.54	11.78	4.62
5000.0	15.28	34.34	9.20	13.61	3.80	1.07	23.15	12.16	4.39
5200.0	14.79	34.26	8.72	13.61	3.94	1.08	23.44	12.58	4.38
5400.0	13.92	33.49	9.35	13.98	4.08	1.06	23.95	13.09	4.43
5600.0	12.47	32.92	9.52	14.49	4.57	1.06	23.25	12.88	4.44
5800.0	10.85	33.16	10.17	14.72	5.76	1.05	23.17	12.62	4.66
6000.0	9.09	33.24	10.85	13.78	7.16	1.03	21.50	11.57	5.11

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 = 75.22mA @ 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)
1000.0	10.84	49.95	1.74	22.86	14.82	1.66	25.93	14.44	12.88
1100.0	12.12	52.97	2.10	19.29	20.82	1.60	27.30	15.25	11.08
1200.0	13.16	55.21	2.46	16.76	26.74	1.54	28.09	15.84	10.25
1300.0	14.04	56.95	2.87	15.39	32.74	1.47	29.00	16.24	9.62
1400.0	14.70	60.66	3.36	14.35	51.45	1.41	28.49	16.28	9.00
1500.0	15.22	70.72	3.92	14.11	169.98	1.35	28.10	16.04	8.57
1600.0	15.44	61.04	4.47	13.80	58.83	1.30	28.59	16.06	8.18
1700.0	15.52	50.01	4.94	14.80	17.52	1.27	28.45	16.21	7.85
1800.0	15.85	51.95	5.35	15.03	21.93	1.25	28.38	16.09	7.50
1900.0	15.96	49.53	5.91	15.60	17.28	1.22	28.30	15.98	7.24
2000.0	16.02	48.53	6.39	16.14	15.89	1.20	28.59	16.10	7.00
2100.0	16.04	47.60	6.87	16.65	14.71	1.18	28.40	16.43	6.79
2200.0	16.03	46.48	7.25	17.01	13.23	1.17	28.47	16.50	6.57
2300.0	15.78	47.47	7.84	18.33	15.81	1.15	28.20	16.04	6.43
2400.0	15.86	44.41	8.05	19.06	11.14	1.14	28.33	16.10	6.29
2500.0	15.77	43.40	8.28	20.36	10.15	1.14	28.03	16.11	6.15
2600.0	15.69	43.71	8.57	21.12	10.74	1.13	27.77	15.84	6.04
2700.0	15.67	43.49	8.90	21.66	10.64	1.12	27.67	15.72	5.98
2800.0	15.58	41.59	8.85	22.63	8.64	1.12	27.52	15.75	5.94
2900.0	15.55	42.30	9.16	23.32	9.51	1.12	27.70	15.91	5.89
3000.0	15.49	41.59	9.21	24.44	8.85	1.12	27.62	16.00	5.71
3100.0	15.30	39.98	9.16	26.52	7.52	1.12	27.17	15.45	5.63
3200.0	15.68	40.01	9.15	22.77	7.22	1.11	26.97	15.50	5.54
3300.0	15.58	40.77	9.54	24.44	8.08	1.10	26.62	14.96	5.43
3400.0	15.64	40.00	9.41	23.55	7.31	1.11	26.63	15.20	5.43
3500.0	15.76	38.92	9.63	24.28	6.43	1.10	26.38	14.59	5.26
3600.0	15.89	41.47	9.32	22.84	8.40	1.11	26.17	14.77	5.21
3800.0	16.29	39.50	9.45	23.46	6.43	1.10	26.03	14.79	5.04
4000.0	16.76	38.82	9.05	23.11	5.57	1.11	25.51	14.32	4.86
4200.0	17.13	37.65	9.08	28.13	4.69	1.11	25.57	14.26	4.79
4400.0	17.48	41.05	8.56	27.43	6.52	1.13	25.24	14.04	4.65
4600.0	17.57	37.97	8.66	24.31	4.54	1.13	25.90	14.48	4.45
4800.0	17.47	37.06	9.02	23.46	4.19	1.11	25.98	14.62	4.25
5000.0	17.17	36.37	9.39	20.86	4.03	1.10	26.37	14.87	4.06
5200.0	16.55	36.35	9.21	20.63	4.29	1.10	27.24	15.35	4.09
5400.0	15.77	35.32	10.17	19.44	4.26	1.08	28.04	16.04	4.09
5600.0	14.67	34.52	10.43	21.02	4.46	1.08	28.22	15.81	4.07
5800.0	13.41	34.70	11.21	22.95	5.36	1.07	29.03	16.25	4.13
6000.0	12.09	35.05	11.89	24.28	6.57	1.06	28.06	15.99	4.45