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 = 5V, Id = 145.30mA @ Temperature = +25degC

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)
200.0	24.09	59.43	1.59	15.86	8.73	1.65	26.39	13.55	5.95
300.0	30.23	56.98	6.56	17.57	8.30	1.20	31.88	19.07	1.58
350.0	30.39	51.98	12.50	13.54	5.46	1.00	33.26	20.24	1.28
400.0	32.77	51.98	10.21	22.81	4.18	1.07	32.02	20.50	1.14
450.0	32.51	61.27	20.44	22.44	13.53	1.00	33.14	21.28	1.05
500.0	32.28	66.80	20.48	20.70	26.13	1.00	33.85	21.45	1.02
550.0	32.07	69.19	16.82	19.83	34.77	1.01	33.45	21.54	0.99
600.0	31.87	64.08	14.75	19.42	19.46	1.02	34.27	21.62	0.96
650.0	31.70	63.85	13.66	19.16	19.12	1.03	34.04	21.65	0.96
700.0	31.57	68.28	12.92	19.00	32.05	1.04	33.44	21.71	0.95
750.0	31.45	69.53	12.49	18.85	37.28	1.04	33.73	21.81	0.89
800.0	31.36	61.86	12.18	18.76	15.52	1.05	33.30	21.89	0.86
850.0	31.28	65.17	12.05	18.61	22.86	1.05	33.71	21.91	0.91
900.0	31.21	60.69	11.96	18.52	13.75	1.05	33.42	21.91	0.92
950.0	31.15	61.27	11.93	18.39	14.78	1.05	33.74	22.01	1.04
1000.0	31.10	62.35	11.93	18.25	16.83	1.05	33.76	21.92	0.94
1050.0	31.05	58.72	11.98	18.10	11.15	1.05	34.32	21.96	0.97
1100.0	30.99	60.61	12.07	17.91	13.96	1.05	34.10	22.05	0.94
1150.0	30.94	59.68	12.18	17.77	12.64	1.04	34.49	21.95	0.97
1200.0	30.87	59.05	12.33	17.64	11.87	1.04	34.60	22.17	0.95
1250.0	30.79	58.28	12.49	17.56	10.97	1.04	34.70	22.08	0.97
1300.0	30.70	56.86	12.69	17.46	9.45	1.03	34.09	22.07	0.98
1350.0	30.59	56.48	12.90	17.43	9.18	1.03	34.57	22.21	0.96
1400.0	30.46	56.06	13.18	17.50	8.92	1.03	33.85	22.04	0.94
1450.0	30.31	54.78	13.48	17.60	7.87	1.03	34.64	22.26	0.97
1500.0	30.14	54.86	13.79	17.80	8.13	1.02	34.34	22.21	0.98
1600.0	29.71	53.74	14.64	18.31	7.59	1.02	34.81	22.37	1.02
1700.0	29.18	54.70	15.58	19.03	9.07	1.01	34.66	22.23	0.98
1800.0	28.57	52.00	16.72	19.59	7.20	1.01	34.74	22.41	1.05
1900.0	27.87	52.20	17.97	19.63	8.03	1.00	34.70	22.37	1.09
2000.0	27.12	51.54	19.31	18.83	8.13	1.00	34.50	22.48	1.09
2100.0	26.33	52.45	20.57	17.59	9.86	0.99	34.84	22.51	1.18
2200.0	25.51	52.70	21.81	16.03	11.09	0.98	35.21	22.60	1.18
2300.0	24.68	51.44	22.49	14.65	10.46	0.97	35.72	22.41	1.26
2400.0	23.84	51.73	22.81	13.36	11.78	0.96	35.78	22.24	1.25
2500.0	23.02	51.52	22.91	12.27	12.46	0.94	35.01	21.93	1.26
2600.0	22.19	51.98	22.58	11.30	14.21	0.93	35.33	21.73	1.36
2700.0	21.38	51.97	22.25	10.52	15.34	0.92	34.67	21.43	1.36
2800.0	20.58	52.57	21.84	9.85	17.69	0.90	35.24	21.05	1.45
2900.0	19.80	52.17	21.36	9.27	18.17	0.89	34.60	20.68	1.55
3000.0	19.04	51.98	20.90	8.71	19.04	0.87	34.79	20.32	1.49

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 = 4.75V, Id = 139.32mA @ Temperature = +25degC

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)
200.0	23.99	59.12	1.58	15.80	8.41	1.65	26.19	13.57	5.91
300.0	30.11	55.24	6.54	17.07	6.86	1.20	31.87	19.60	1.59
350.0	30.29	52.12	12.56	13.30	5.60	1.00	32.77	20.59	1.25
400.0	32.65	51.86	10.16	22.83	4.18	1.07	32.65	20.71	1.15
450.0	32.41	61.09	20.55	21.36	13.39	1.00	33.85	21.28	1.06
500.0	32.20	64.82	20.95	19.82	20.99	1.00	32.73	21.28	1.05
550.0	31.99	69.53	17.04	19.06	36.47	1.01	33.40	21.33	1.03
600.0	31.80	65.38	14.92	18.70	22.77	1.02	33.40	21.36	0.99
650.0	31.64	69.72	13.77	18.46	37.83	1.03	34.31	21.36	0.98
700.0	31.51	62.15	13.01	18.36	15.92	1.03	33.94	21.42	0.94
750.0	31.40	63.49	12.55	18.27	18.70	1.04	33.93	21.47	0.87
800.0	31.31	63.94	12.26	18.21	19.81	1.04	34.03	21.56	0.82
850.0	31.23	62.84	12.13	18.14	17.57	1.05	33.78	21.61	0.90
900.0	31.17	61.06	12.02	18.09	14.41	1.05	33.67	21.60	0.92
950.0	31.11	61.85	11.98	17.99	15.86	1.05	33.83	21.71	1.07
1000.0	31.06	59.40	12.00	17.88	12.03	1.05	33.83	21.65	0.93
1050.0	31.01	60.37	12.04	17.80	13.52	1.05	34.01	21.70	0.94
1100.0	30.96	63.71	12.12	17.65	20.00	1.04	33.84	21.77	0.97
1150.0	30.91	58.53	12.24	17.57	11.12	1.04	33.80	21.69	0.97
1200.0	30.84	56.37	12.36	17.41	8.74	1.04	34.49	21.89	0.97
1250.0	30.77	56.94	12.54	17.36	9.43	1.04	33.93	21.82	0.97
1300.0	30.68	55.33	12.73	17.25	7.95	1.03	34.32	21.81	0.98
1350.0	30.57	55.11	12.95	17.25	7.86	1.03	34.00	21.95	0.97
1400.0	30.44	54.97	13.23	17.32	7.88	1.03	33.70	21.80	1.00
1450.0	30.29	54.73	13.53	17.38	7.83	1.02	34.08	21.99	0.96
1500.0	30.12	54.53	13.86	17.55	7.84	1.02	34.23	21.95	1.01
1600.0	29.70	54.10	14.71	17.97	7.91	1.02	34.75	22.11	0.99
1700.0	29.19	53.65	15.68	18.55	8.04	1.01	35.24	22.00	0.98
1800.0	28.58	51.63	16.85	18.97	6.89	1.00	34.52	22.17	1.04
1900.0	27.89	52.03	18.11	18.88	7.84	1.00	34.47	22.12	1.09
2000.0	27.14	51.66	19.52	18.12	8.20	0.99	35.12	22.21	1.08
2100.0	26.36	52.17	20.83	16.99	9.50	0.99	35.03	22.22	1.16
2200.0	25.54	52.29	22.13	15.57	10.52	0.98	35.08	22.29	1.20
2300.0	24.71	51.65	22.88	14.25	10.66	0.97	35.65	22.13	1.28
2400.0	23.87	51.46	23.28	13.06	11.34	0.95	35.24	21.96	1.25
2500.0	23.05	51.62	23.28	12.00	12.51	0.94	34.66	21.67	1.22
2600.0	22.23	51.49	22.88	11.08	13.33	0.93	35.20	21.46	1.34
2700.0	21.42	52.08	22.39	10.32	15.39	0.91	34.98	21.13	1.36
2800.0	20.62	51.67	21.98	9.65	15.82	0.90	35.24	20.79	1.46
2900.0	19.84	51.87	21.42	9.09	17.40	0.88	34.69	20.43	1.51
3000.0	19.07	52.08	20.91	8.55	19.07	0.87	34.77	20.07	1.52

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 = 5.25V, Id = 152.28mA @ Temperature = +25degC

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)
200.0	24.18	60.96	1.62	15.86	10.40	1.65	26.45	13.49	6.00
300.0	30.33	56.01	6.61	17.85	7.37	1.20	32.16	18.33	1.61
350.0	30.48	50.34	12.47	13.70	4.51	1.00	31.93	19.67	1.27
400.0	32.86	53.36	10.24	22.77	4.83	1.08	32.61	20.05	1.16
450.0	32.60	63.24	20.29	23.18	16.80	1.00	32.63	21.09	1.10
500.0	32.36	64.39	20.25	21.24	19.64	1.00	32.57	21.45	1.04
550.0	32.14	62.89	16.71	20.31	16.70	1.01	33.69	21.69	1.04
600.0	31.94	66.07	14.71	19.82	24.31	1.02	33.00	21.86	1.03
650.0	31.77	66.59	13.61	19.55	26.05	1.03	33.98	21.93	0.99
700.0	31.63	64.74	12.89	19.36	21.20	1.04	33.05	22.03	0.97
750.0	31.51	62.47	12.45	19.16	16.45	1.04	34.08	22.14	0.91
800.0	31.41	64.36	12.16	19.06	20.59	1.05	33.55	22.23	0.85
850.0	31.33	64.41	12.04	18.88	20.87	1.05	33.51	22.27	0.95
900.0	31.25	64.59	11.95	18.76	21.45	1.05	33.68	22.23	0.92
950.0	31.20	66.01	11.92	18.63	25.41	1.05	34.21	22.33	1.12
1000.0	31.14	58.88	11.94	18.43	11.25	1.05	34.23	22.21	0.95
1050.0	31.08	60.50	11.99	18.26	13.65	1.05	34.04	22.27	0.97
1100.0	31.03	60.65	12.07	18.06	13.98	1.05	34.17	22.35	0.96
1150.0	30.97	58.68	12.18	17.90	11.24	1.04	34.18	22.23	0.99
1200.0	30.90	58.10	12.32	17.77	10.61	1.04	34.72	22.48	0.99
1250.0	30.82	56.21	12.49	17.67	8.64	1.04	34.53	22.37	1.00
1300.0	30.72	56.57	12.68	17.58	9.12	1.03	33.96	22.35	0.99
1350.0	30.61	56.93	12.89	17.58	9.66	1.03	34.11	22.50	0.97
1400.0	30.48	55.06	13.15	17.63	7.94	1.03	34.45	22.32	0.98
1450.0	30.32	55.60	13.46	17.73	8.63	1.03	34.10	22.55	0.99
1500.0	30.15	54.41	13.79	17.96	7.71	1.02	34.04	22.47	1.00
1600.0	29.71	53.93	14.61	18.50	7.75	1.02	34.60	22.64	1.01
1700.0	29.19	54.02	15.55	19.30	8.40	1.01	34.38	22.47	1.01
1800.0	28.57	53.45	16.65	20.01	8.52	1.01	34.50	22.66	1.06
1900.0	27.86	52.77	17.87	20.09	8.58	1.00	34.27	22.63	1.13
2000.0	27.11	51.52	19.20	19.25	8.13	1.00	35.02	22.75	1.13
2100.0	26.31	51.48	20.37	17.94	8.85	0.99	35.44	22.80	1.19
2200.0	25.49	51.00	21.45	16.33	9.16	0.98	35.39	22.90	1.22
2300.0	24.66	51.80	22.22	14.86	10.95	0.97	35.68	22.72	1.28
2400.0	23.81	52.94	22.55	13.54	13.59	0.96	35.36	22.54	1.28
2500.0	22.99	52.50	22.69	12.42	14.02	0.95	35.13	22.21	1.26
2600.0	22.17	52.02	22.47	11.43	14.35	0.93	34.90	22.00	1.40
2700.0	21.35	52.22	22.12	10.64	15.88	0.92	34.98	21.72	1.40
2800.0	20.56	52.63	21.78	9.97	17.93	0.91	34.66	21.32	1.50
2900.0	19.78	52.13	21.37	9.36	18.20	0.89	34.23	20.95	1.58
3000.0	19.01	52.80	20.98	8.80	21.05	0.87	34.34	20.58	1.54

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 = 5V, Id = 157.91mA @ Temperature = -45degC

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)
200.0	24.24	59.71	1.92	15.46	10.28	1.60	29.01	16.14	5.82
300.0	30.04	58.92	6.86	16.64	10.75	1.18	36.53	21.65	1.55
350.0	30.50	50.10	13.51	13.03	4.38	0.98	36.93	22.50	1.17
400.0	32.87	53.28	9.02	21.20	4.62	1.10	36.70	22.55	1.04
450.0	32.84	59.62	18.31	19.34	10.66	1.00	36.83	23.00	0.93
500.0	32.81	62.68	38.03	18.15	15.36	0.98	37.20	22.99	0.85
550.0	32.72	66.79	24.86	17.52	24.74	0.99	37.52	23.01	0.87
600.0	32.61	66.47	19.64	17.21	23.93	0.99	36.35	23.02	0.81
650.0	32.50	68.48	17.37	17.05	30.27	1.00	36.98	23.00	0.80
700.0	32.41	65.52	15.99	17.02	21.61	1.00	36.28	23.04	0.75
750.0	32.32	62.56	15.11	16.98	15.44	1.01	37.59	23.09	0.67
800.0	32.23	64.08	14.60	17.09	18.51	1.01	36.73	23.16	0.66
850.0	32.17	64.59	14.32	17.07	19.73	1.02	38.98	23.19	0.73
900.0	32.11	64.36	14.11	17.12	19.29	1.02	36.84	23.18	0.73
950.0	32.06	59.11	14.03	17.08	10.61	1.02	37.18	23.28	0.88
1000.0	32.01	61.29	14.01	17.08	13.69	1.02	36.68	23.21	0.72
1050.0	31.97	60.83	14.06	17.06	13.05	1.02	37.12	23.23	0.75
1100.0	31.93	59.51	14.18	17.01	11.29	1.02	37.75	23.30	0.71
1150.0	31.88	58.20	14.25	16.92	9.77	1.02	37.13	23.23	0.76
1200.0	31.82	57.88	14.34	16.77	9.47	1.01	36.68	23.39	0.76
1250.0	31.74	58.34	14.39	16.64	10.07	1.01	36.54	23.32	0.74
1300.0	31.66	56.85	14.47	16.47	8.58	1.01	37.64	23.33	0.75
1350.0	31.55	56.45	14.60	16.44	8.30	1.01	37.13	23.43	0.73
1400.0	31.43	57.49	14.75	16.45	9.49	1.01	38.01	23.31	0.75
1450.0	31.29	55.37	14.98	16.51	7.58	1.01	38.55	23.45	0.74
1500.0	31.14	55.52	15.25	16.68	7.88	1.01	37.44	23.42	0.73
1600.0	30.75	54.32	16.04	16.87	7.22	1.00	37.07	23.55	0.74
1700.0	30.26	53.27	17.16	17.20	6.82	1.00	37.87	23.47	0.72
1800.0	29.67	52.85	18.58	17.51	7.00	0.99	38.24	23.57	0.78
1900.0	29.00	52.03	20.25	17.38	6.91	0.99	36.94	23.61	0.78
2000.0	28.27	51.94	22.34	16.89	7.45	0.98	38.58	23.69	0.83
2100.0	27.50	51.27	24.52	16.05	7.53	0.98	38.25	23.69	0.89
2200.0	26.69	51.76	26.70	14.95	8.67	0.97	38.47	23.75	0.87
2300.0	25.86	51.89	28.25	13.83	9.60	0.96	39.98	23.68	0.94
2400.0	25.03	51.76	28.24	12.66	10.27	0.95	39.70	23.62	0.91
2500.0	24.19	51.03	27.15	11.53	10.22	0.93	38.01	23.40	0.91
2600.0	23.35	51.79	25.29	10.56	12.03	0.91	38.62	23.32	1.01
2700.0	22.53	51.37	23.70	9.79	12.35	0.90	38.52	23.11	1.05
2800.0	21.73	51.98	22.67	9.13	14.22	0.88	38.20	22.88	1.11
2900.0	20.94	51.64	21.97	8.57	14.70	0.86	38.56	22.62	1.18
3000.0	20.14	50.97	21.30	8.07	14.60	0.85	38.67	22.34	1.18

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 = 146.13mA @ Temperature = -45degC

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)
200.0	23.93	61.04	1.92	15.49	12.39	1.60	28.33	15.64	5.81
300.0	29.73	55.78	6.85	16.71	7.75	1.18	35.62	21.70	1.59
350.0	30.21	51.28	13.58	13.10	5.17	0.99	36.36	22.40	1.17
400.0	32.56	50.55	9.02	21.29	3.53	1.10	36.31	22.32	1.03
450.0	32.57	60.11	18.22	19.27	11.64	1.00	36.10	22.63	0.95
500.0	32.56	63.49	36.98	18.07	17.34	0.98	36.26	22.50	0.88
550.0	32.48	63.96	25.04	17.50	18.36	0.98	36.29	22.48	0.82
600.0	32.39	67.48	19.74	17.15	27.57	0.99	36.19	22.46	0.82
650.0	32.28	65.47	17.35	17.02	21.95	1.00	36.81	22.41	0.81
700.0	32.20	64.37	15.93	16.94	19.37	1.01	37.83	22.45	0.75
750.0	32.12	64.64	15.08	16.94	20.06	1.01	37.10	22.49	0.68
800.0	32.04	64.99	14.56	17.04	20.98	1.02	36.71	22.56	0.65
850.0	31.98	63.11	14.27	17.02	16.97	1.02	37.12	22.61	0.75
900.0	31.93	63.49	14.09	17.03	17.82	1.02	36.94	22.61	0.70
950.0	31.88	60.78	13.99	17.02	13.11	1.02	36.44	22.72	0.81
1000.0	31.84	62.89	13.96	17.01	16.76	1.02	37.07	22.66	0.71
1050.0	31.81	58.70	14.03	16.98	10.41	1.02	36.59	22.67	0.73
1100.0	31.77	58.65	14.13	16.93	10.41	1.02	36.98	22.75	0.73
1150.0	31.72	58.41	14.22	16.83	10.17	1.02	36.55	22.69	0.76
1200.0	31.67	57.46	14.30	16.68	9.18	1.01	36.91	22.84	0.76
1250.0	31.60	58.38	14.37	16.54	10.29	1.01	36.63	22.79	0.74
1300.0	31.51	56.03	14.44	16.37	7.92	1.01	36.38	22.79	0.74
1350.0	31.41	57.28	14.57	16.34	9.27	1.01	38.57	22.90	0.74
1400.0	31.30	55.87	14.73	16.33	8.00	1.01	36.44	22.77	0.72
1450.0	31.16	54.46	14.97	16.41	6.92	1.01	37.56	22.93	0.72
1500.0	31.01	55.36	15.22	16.54	7.83	1.01	37.69	22.90	0.76
1600.0	30.63	54.18	16.00	16.74	7.19	1.00	37.83	23.03	0.76
1700.0	30.15	53.51	17.13	17.04	7.10	1.00	37.47	22.95	0.71
1800.0	29.57	52.87	18.53	17.34	7.10	0.99	37.98	23.07	0.78
1900.0	28.91	52.93	20.21	17.19	7.73	0.99	36.88	23.11	0.81
2000.0	28.19	50.71	22.29	16.78	6.53	0.98	37.70	23.17	0.81
2100.0	27.42	51.62	24.37	15.95	7.90	0.98	38.88	23.16	0.88
2200.0	26.61	51.58	26.37	14.88	8.57	0.97	38.26	23.21	0.88
2300.0	25.79	50.44	27.76	13.78	8.19	0.96	39.13	23.15	0.95
2400.0	24.96	51.93	27.63	12.61	10.55	0.95	37.62	23.07	0.88
2500.0	24.12	52.11	26.53	11.50	11.66	0.93	37.85	22.83	0.89
2600.0	23.28	52.03	24.87	10.52	12.45	0.91	38.67	22.76	1.01
2700.0	22.46	52.40	23.32	9.76	14.00	0.90	38.72	22.49	0.98
2800.0	21.66	51.81	22.41	9.11	14.05	0.88	38.75	22.29	1.08
2900.0	20.87	52.03	21.74	8.54	15.47	0.86	37.64	22.04	1.17
3000.0	20.08	51.39	21.10	8.05	15.41	0.85	38.03	21.74	1.16

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 = 5.25V, Id = 165.64mA @ Temperature = -45degC

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)
200.0	24.36	59.84	1.95	15.47	10.37	1.59	29.71	16.44	5.83
300.0	30.14	56.10	6.88	16.67	7.69	1.18	36.35	21.52	1.54
350.0	30.60	51.78	13.50	13.05	5.23	0.99	37.09	22.52	1.16
400.0	32.97	51.63	9.00	21.17	3.80	1.10	36.30	22.68	1.04
450.0	32.95	59.88	18.17	19.38	10.84	1.00	36.85	23.25	0.94
500.0	32.92	66.41	36.64	18.12	23.28	0.98	36.38	23.35	0.90
550.0	32.82	80.17	25.23	17.55	114.10	0.99	39.39	23.44	0.83
600.0	32.71	66.96	19.89	17.22	25.03	0.99	38.52	23.49	0.81
650.0	32.60	64.59	17.52	17.10	19.14	1.00	36.81	23.49	0.81
700.0	32.50	62.01	16.09	17.00	14.28	1.00	37.36	23.54	0.76
750.0	32.40	65.19	15.26	17.03	20.72	1.01	37.53	23.58	0.71
800.0	32.32	61.05	14.71	17.10	12.94	1.01	36.38	23.66	0.65
850.0	32.25	63.31	14.43	17.07	16.88	1.02	36.73	23.67	0.74
900.0	32.19	60.34	14.25	17.13	12.06	1.02	36.68	23.64	0.71
950.0	32.14	61.71	14.12	17.12	14.18	1.02	37.26	23.74	0.92
1000.0	32.09	59.40	14.11	17.11	10.93	1.02	36.45	23.66	0.73
1050.0	32.04	60.61	14.15	17.11	12.64	1.02	37.57	23.67	0.76
1100.0	32.00	60.18	14.28	17.05	12.11	1.02	37.44	23.74	0.74
1150.0	31.95	59.38	14.36	16.96	11.10	1.02	37.37	23.67	0.76
1200.0	31.88	57.25	14.42	16.79	8.76	1.01	37.82	23.82	0.76
1250.0	31.81	57.68	14.48	16.69	9.28	1.01	37.02	23.75	0.75
1300.0	31.72	56.93	14.54	16.50	8.60	1.01	37.88	23.76	0.76
1350.0	31.61	56.34	14.68	16.47	8.14	1.01	37.12	23.85	0.74
1400.0	31.49	55.53	14.84	16.49	7.54	1.01	37.35	23.73	0.74
1450.0	31.35	54.43	15.05	16.57	6.77	1.01	37.29	23.87	0.73
1500.0	31.19	55.85	15.32	16.71	8.13	1.01	37.75	23.84	0.78
1600.0	30.80	54.38	16.10	16.92	7.24	1.00	38.20	23.95	0.77
1700.0	30.30	52.22	17.27	17.25	6.03	1.00	37.72	23.87	0.73
1800.0	29.71	53.18	18.61	17.59	7.25	0.99	36.94	23.96	0.79
1900.0	29.03	52.42	20.37	17.44	7.21	0.99	38.33	24.02	0.83
2000.0	28.30	51.45	22.46	16.94	7.02	0.98	38.22	24.10	0.85
2100.0	27.52	51.78	24.60	16.10	7.96	0.98	38.38	24.10	0.88
2200.0	26.71	51.75	26.88	14.99	8.65	0.97	38.62	24.17	0.87
2300.0	25.88	51.85	28.44	13.85	9.54	0.96	39.39	24.11	0.96
2400.0	25.04	51.29	28.52	12.68	9.72	0.95	38.39	24.05	0.94
2500.0	24.20	51.75	27.36	11.54	11.09	0.93	39.33	23.84	0.90
2600.0	23.36	52.60	25.44	10.57	13.19	0.91	38.72	23.78	1.04
2700.0	22.54	51.79	23.81	9.81	12.94	0.90	38.98	23.59	1.05
2800.0	21.75	51.59	22.77	9.15	13.59	0.88	38.58	23.35	1.12
2900.0	20.95	51.99	22.08	8.58	15.29	0.87	37.93	23.10	1.18
3000.0	20.16	51.34	21.35	8.08	15.21	0.85	38.43	22.82	1.16

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 = 5V, Id = 135.95mA @ Temperature = +85degC

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)
200.0	23.70	60.44	1.47	16.01	9.59	1.67	24.04	11.71	6.46
300.0	30.04	57.08	6.31	18.74	8.48	1.22	29.60	16.99	1.78
350.0	29.98	50.39	11.32	14.20	4.74	1.02	30.01	18.18	1.54
400.0	32.35	52.23	10.57	23.76	4.54	1.07	29.95	18.55	1.37
450.0	31.98	59.74	17.88	26.80	12.01	1.01	30.66	19.55	1.28
500.0	31.66	63.42	16.27	23.87	18.81	1.02	31.13	19.84	1.30
550.0	31.39	68.98	14.07	22.57	36.20	1.03	30.85	19.99	1.29
600.0	31.15	72.90	12.70	21.77	57.43	1.05	31.22	20.14	1.25
650.0	30.96	61.43	11.89	21.26	15.47	1.06	31.39	20.22	1.22
700.0	30.82	64.38	11.37	20.83	21.89	1.06	31.08	20.30	1.18
750.0	30.69	62.82	11.04	20.44	18.43	1.07	31.76	20.38	1.18
800.0	30.59	64.38	10.87	20.23	22.23	1.07	31.40	20.52	1.09
850.0	30.52	62.58	10.78	19.86	18.17	1.07	31.37	20.47	1.19
900.0	30.45	61.97	10.76	19.61	17.06	1.07	31.52	20.39	1.20
950.0	30.40	62.18	10.79	19.29	17.59	1.07	31.45	20.51	1.38
1000.0	30.35	61.64	10.86	18.99	16.63	1.07	31.69	20.38	1.19
1050.0	30.30	59.88	10.94	18.73	13.67	1.07	31.53	20.46	1.21
1100.0	30.25	58.75	11.06	18.43	12.09	1.06	31.83	20.56	1.22
1150.0	30.20	59.35	11.20	18.22	13.06	1.06	31.59	20.42	1.24
1200.0	30.13	58.04	11.39	18.02	11.35	1.05	32.15	20.76	1.24
1250.0	30.06	56.87	11.60	17.93	10.05	1.05	31.85	20.57	1.23
1300.0	29.96	55.97	11.83	17.80	9.19	1.05	31.68	20.57	1.24
1350.0	29.85	57.99	12.12	17.84	11.80	1.04	32.10	20.75	1.25
1400.0	29.72	55.40	12.39	17.91	8.93	1.04	31.77	20.56	1.24
1450.0	29.56	54.99	12.74	18.05	8.73	1.03	32.43	20.85	1.29
1500.0	29.38	53.86	13.10	18.33	7.87	1.03	32.04	20.73	1.27
1600.0	28.95	54.18	13.89	18.94	8.66	1.03	32.48	20.95	1.27
1700.0	28.41	52.10	14.80	19.92	7.34	1.02	32.58	20.75	1.29
1800.0	27.78	51.70	15.77	20.95	7.61	1.02	32.78	20.99	1.35
1900.0	27.08	52.86	16.77	21.24	9.47	1.01	32.35	20.88	1.38
2000.0	26.32	51.63	17.80	20.49	8.99	1.01	32.75	21.05	1.42
2100.0	25.54	51.62	18.64	18.95	9.82	1.00	32.86	21.22	1.50
2200.0	24.72	51.66	19.42	17.29	10.79	0.99	33.10	21.42	1.49
2300.0	23.89	52.15	19.87	15.72	12.47	0.98	33.13	21.11	1.61
2400.0	23.06	51.26	20.13	14.32	12.25	0.97	32.88	20.90	1.58
2500.0	22.24	52.41	20.33	13.13	15.20	0.96	32.53	20.54	1.59
2600.0	21.43	52.14	20.34	12.08	15.95	0.95	32.56	20.30	1.74
2700.0	20.63	50.98	20.16	11.24	15.08	0.93	32.49	20.09	1.77
2800.0	19.85	52.47	19.97	10.49	19.26	0.92	32.27	19.60	1.86
2900.0	19.07	52.17	19.78	9.87	20.04	0.91	31.91	19.17	1.94
3000.0	18.32	51.71	19.57	9.30	20.38	0.89	31.88	18.75	1.95

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 = 4.75V, Id = 129.88mA @ Temperature = +85degC

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)
200.0	23.62	59.67	1.41	16.01	8.58	1.68	23.90	11.70	6.39
300.0	29.95	56.47	6.25	18.23	7.93	1.22	30.30	17.70	1.73
350.0	29.91	50.44	11.32	13.95	4.80	1.02	30.60	18.83	1.46
400.0	32.26	51.62	10.52	24.15	4.28	1.07	30.04	19.05	1.35
450.0	31.89	62.06	18.05	25.33	15.83	1.01	30.92	19.84	1.30
500.0	31.58	65.95	16.44	22.87	25.43	1.02	31.07	19.94	1.27
550.0	31.31	70.67	14.15	21.72	44.37	1.03	30.95	19.93	1.24
600.0	31.08	67.72	12.81	21.11	31.91	1.04	31.41	20.02	1.20
650.0	30.90	65.91	11.98	20.67	26.12	1.05	30.91	20.04	1.21
700.0	30.76	63.39	11.41	20.33	19.66	1.06	31.45	20.08	1.21
750.0	30.64	65.91	11.08	20.03	26.46	1.07	30.97	20.18	1.12
800.0	30.54	64.00	10.88	19.86	21.39	1.07	31.25	20.30	1.09
850.0	30.47	61.99	10.81	19.55	17.06	1.07	31.47	20.23	1.14
900.0	30.41	61.17	10.77	19.32	15.63	1.07	31.30	20.17	0.63
950.0	30.36	60.35	10.79	19.07	14.29	1.07	31.14	20.29	1.41
1000.0	30.31	60.43	10.87	18.81	14.53	1.07	31.45	20.16	1.17
1050.0	30.27	60.97	10.95	18.60	15.55	1.07	31.54	20.24	1.20
1100.0	30.22	60.95	11.08	18.34	15.63	1.06	31.78	20.34	1.21
1150.0	30.17	57.31	11.22	18.14	10.37	1.06	31.60	20.20	1.21
1200.0	30.11	57.96	11.41	17.94	11.28	1.05	31.95	20.53	1.24
1250.0	30.03	58.97	11.61	17.84	12.82	1.05	31.82	20.37	1.21
1300.0	29.94	58.08	11.84	17.75	11.73	1.05	31.68	20.38	1.22
1350.0	29.83	55.41	12.12	17.74	8.79	1.04	31.84	20.55	1.26
1400.0	29.70	54.91	12.42	17.84	8.47	1.04	31.89	20.37	1.24
1450.0	29.54	54.76	12.76	17.93	8.52	1.03	32.03	20.64	1.24
1500.0	29.37	53.84	13.12	18.16	7.86	1.03	32.16	20.55	1.26
1600.0	28.94	53.88	13.94	18.75	8.38	1.02	32.52	20.76	1.29
1700.0	28.41	52.02	14.86	19.61	7.28	1.02	32.31	20.57	1.26
1800.0	27.78	52.25	15.88	20.40	8.09	1.01	32.44	20.80	1.32
1900.0	27.09	52.44	16.95	20.59	9.00	1.01	32.29	20.69	1.38
2000.0	26.34	51.48	17.98	19.80	8.82	1.00	32.60	20.84	1.41
2100.0	25.56	51.17	18.94	18.44	9.29	1.00	32.80	20.99	1.49
2200.0	24.75	51.12	19.75	16.85	10.10	0.99	33.13	21.19	1.50
2300.0	23.92	51.46	20.23	15.36	11.46	0.98	33.15	20.90	1.56
2400.0	23.10	50.74	20.47	14.04	11.48	0.97	32.86	20.71	1.57
2500.0	22.28	52.19	20.67	12.88	14.73	0.96	32.58	20.35	1.58
2600.0	21.46	51.72	20.66	11.85	15.09	0.94	32.94	20.14	1.71
2700.0	20.67	52.17	20.42	11.03	17.16	0.93	32.69	19.88	1.72
2800.0	19.88	52.75	20.18	10.31	19.75	0.92	32.22	19.42	1.83
2900.0	19.11	52.31	19.95	9.70	20.20	0.90	31.97	18.98	1.89
3000.0	18.35	52.19	19.69	9.15	21.35	0.89	31.87	18.57	1.92

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 =5V, Id = 141.96mA @ Temperature = +85degC

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)
200.0	23.75	59.70	1.53	15.99	9.09	1.66	23.81	11.57	6.60
300.0	30.08	55.98	6.39	19.24	7.50	1.22	28.16	16.15	1.83
350.0	30.02	51.61	11.26	14.46	5.42	1.03	29.22	17.48	1.55
400.0	32.39	53.19	10.61	23.20	5.04	1.07	29.40	17.87	1.41
450.0	32.03	62.07	17.65	28.33	15.59	1.01	30.17	19.05	1.33
500.0	31.71	69.15	16.10	24.71	36.21	1.02	30.83	19.57	1.30
550.0	31.44	68.55	13.98	23.24	34.27	1.04	30.95	19.84	1.31
600.0	31.20	62.22	12.66	22.31	16.72	1.05	31.08	20.13	1.26
650.0	31.01	63.75	11.87	21.75	20.12	1.06	31.19	20.30	1.27
700.0	30.86	70.44	11.36	21.21	43.79	1.07	31.33	20.42	1.21
750.0	30.73	65.42	11.04	20.78	24.78	1.07	31.46	20.55	1.19
800.0	30.63	61.99	10.85	20.45	16.81	1.07	31.59	20.68	1.13
850.0	30.55	61.55	10.77	20.07	16.09	1.07	31.16	20.64	1.22
900.0	30.48	63.08	10.76	19.75	19.31	1.07	31.38	20.57	1.20
950.0	30.43	59.07	10.79	19.37	12.26	1.07	31.60	20.72	1.40
1000.0	30.38	62.41	10.86	19.10	18.12	1.07	31.61	20.58	1.20
1050.0	30.33	60.57	10.94	18.81	14.75	1.07	31.66	20.65	1.24
1100.0	30.27	63.01	11.08	18.48	19.70	1.06	31.72	20.74	1.24
1150.0	30.22	58.67	11.20	18.26	12.04	1.06	31.72	20.62	1.25
1200.0	30.15	58.10	11.39	18.05	11.40	1.05	32.32	20.94	1.29
1250.0	30.08	56.77	11.59	17.95	9.91	1.05	31.97	20.77	1.25
1300.0	29.98	60.10	11.83	17.89	14.74	1.05	31.70	20.76	1.27
1350.0	29.86	55.63	12.11	17.89	8.99	1.04	31.88	20.93	1.27
1400.0	29.73	55.40	12.39	17.99	8.93	1.04	31.83	20.73	1.26
1450.0	29.57	55.89	12.72	18.13	9.67	1.04	32.40	21.02	1.28
1500.0	29.39	53.87	13.07	18.42	7.88	1.03	32.16	20.90	1.29
1600.0	28.95	54.46	13.85	19.13	8.95	1.03	32.42	21.10	1.34
1700.0	28.41	53.04	14.73	20.26	8.18	1.02	32.46	20.90	1.30
1800.0	27.77	52.45	15.70	21.47	8.30	1.02	32.56	21.14	1.40
1900.0	27.07	51.70	16.68	21.97	8.31	1.01	32.49	21.00	1.42
2000.0	26.31	52.17	17.63	21.09	9.59	1.01	32.55	21.17	1.45
2100.0	25.52	52.15	18.47	19.55	10.47	1.00	32.80	21.34	1.54
2200.0	24.70	51.67	19.17	17.69	10.85	0.99	33.23	21.59	1.54
2300.0	23.87	51.32	19.61	16.06	11.37	0.99	32.86	21.27	1.62
2400.0	23.04	51.46	19.85	14.60	12.59	0.98	32.89	21.09	1.60
2500.0	22.22	51.07	20.11	13.36	13.09	0.96	32.35	20.70	1.61
2600.0	21.40	53.27	20.12	12.28	18.26	0.95	32.50	20.49	1.75
2700.0	20.60	51.00	19.99	11.42	15.20	0.94	32.38	20.26	1.80
2800.0	19.83	51.69	19.83	10.66	17.73	0.92	32.05	19.76	1.93
2900.0	19.05	52.14	19.70	10.01	20.08	0.91	31.88	19.32	1.95
3000.0	18.29	51.92	19.51	9.43	21.02	0.90	31.58	18.94	2.00