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 = 149.98mA @ 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	16.41	20.81	21.04	17.97	1.10	0.64	41.38	22.62	1.86
250.0	16.34	20.78	21.69	17.59	1.11	0.64	41.22	22.42	1.92
300.0	16.28	20.78	21.82	17.05	1.11	0.64	42.50	22.86	2.00
350.0	16.23	20.76	21.55	16.43	1.11	0.64	42.40	22.78	1.91
400.0	16.18	20.73	21.22	15.83	1.11	0.63	43.08	22.74	1.91
450.0	16.12	20.78	20.70	15.19	1.11	0.64	44.15	22.89	1.94
500.0	16.06	20.77	20.05	14.60	1.11	0.64	45.93	22.98	1.95
525.0	16.03	20.78	19.71	14.31	1.11	0.64	44.77	22.69	1.95
550.0	16.00	20.79	19.32	14.01	1.11	0.64	45.04	22.73	1.95
575.0	15.96	20.80	19.02	13.70	1.11	0.64	46.98	22.99	1.98
600.0	15.93	20.82	18.62	13.41	1.11	0.64	46.87	22.88	1.98
625.0	15.90	20.78	18.26	13.14	1.11	0.64	46.44	22.85	1.93
650.0	15.86	20.79	17.88	12.85	1.11	0.64	57.32	23.08	2.03
675.0	15.82	20.82	17.52	12.61	1.11	0.64	51.40	23.04	2.04
700.0	15.78	20.81	17.08	12.32	1.11	0.64	49.13	23.12	1.95
725.0	15.74	20.81	16.70	12.10	1.11	0.64	48.25	23.21	2.05
750.0	15.69	20.82	16.31	11.86	1.11	0.64	46.68	23.15	2.04
775.0	15.65	20.82	15.95	11.60	1.11	0.64	46.71	23.29	2.01
800.0	15.60	20.81	15.54	11.35	1.11	0.64	45.78	23.38	2.06
825.0	15.56	20.82	15.17	11.15	1.11	0.64	46.52	23.22	2.03
850.0	15.51	20.83	14.80	10.92	1.11	0.64	46.00	23.36	2.02
875.0	15.46	20.84	14.40	10.71	1.11	0.64	44.14	23.51	2.06
900.0	15.41	20.84	14.04	10.50	1.11	0.64	45.96	23.32	2.06
925.0	15.36	20.83	13.66	10.28	1.11	0.63	43.62	23.49	2.02
950.0	15.31	20.84	13.30	10.08	1.11	0.63	42.31	23.61	2.09
975.0	15.26	20.85	12.91	9.88	1.10	0.63	43.89	23.42	2.09
1000.0	15.20	20.88	12.56	9.66	1.11	0.63	40.83	23.75	2.09
1025.0	15.14	20.90	12.18	9.46	1.10	0.63	42.45	23.79	2.10
1050.0	15.09	20.90	11.84	9.24	1.10	0.63	41.96	23.80	2.10
1075.0	15.02	20.94	11.48	9.04	1.10	0.63	42.08	23.74	2.12
1100.0	14.96	20.94	11.14	8.84	1.10	0.63	41.26	23.69	2.12
1125.0	14.90	20.96	10.79	8.64	1.10	0.63	41.83	23.61	2.13
1150.0	14.83	20.98	10.44	8.44	1.10	0.63	40.59	23.54	2.11
1175.0	14.76	21.00	10.12	8.25	1.10	0.63	40.76	23.46	2.14
1200.0	14.69	21.01	9.78	8.06	1.10	0.63	40.65	23.42	2.14
1300.0	14.38	21.11	8.50	7.31	1.10	0.62	40.05	23.13	2.13
1400.0	14.03	21.27	7.30	6.57	1.09	0.61	40.16	22.86	2.22
1500.0	13.63	21.44	6.20	5.84	1.09	0.59	39.48	22.37	2.24

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 = 137.69mA @ 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	16.31	20.73	21.27	17.82	1.10	0.64	42.41	22.11	1.83
250.0	16.24	20.70	21.97	17.45	1.11	0.64	42.03	21.92	1.86
300.0	16.18	20.74	22.16	16.94	1.11	0.64	44.47	22.34	1.98
350.0	16.13	20.70	21.96	16.37	1.11	0.64	44.03	22.26	1.90
400.0	16.08	20.70	21.60	15.74	1.11	0.64	45.75	22.22	1.90
450.0	16.02	20.71	21.02	15.14	1.11	0.64	47.61	22.38	1.93
500.0	15.96	20.72	20.42	14.54	1.11	0.64	52.28	22.45	1.94
525.0	15.93	20.69	20.07	14.27	1.11	0.64	46.99	22.18	1.97
550.0	15.90	20.70	19.70	13.98	1.11	0.64	47.92	22.21	1.98
575.0	15.86	20.70	19.37	13.68	1.11	0.64	49.73	22.44	1.98
600.0	15.83	20.69	18.96	13.40	1.11	0.64	49.97	22.33	1.98
625.0	15.80	20.72	18.56	13.13	1.11	0.64	46.26	22.34	1.90
650.0	15.76	20.72	18.20	12.85	1.11	0.64	44.85	22.55	2.03
675.0	15.72	20.75	17.80	12.61	1.11	0.64	43.94	22.51	2.03
700.0	15.68	20.73	17.38	12.34	1.11	0.64	44.14	22.59	1.91
725.0	15.64	20.74	16.98	12.11	1.11	0.64	42.83	22.67	2.01
750.0	15.60	20.76	16.58	11.87	1.11	0.64	42.61	22.61	2.01
775.0	15.55	20.74	16.23	11.63	1.11	0.64	42.93	22.74	1.99
800.0	15.51	20.74	15.78	11.39	1.11	0.64	42.60	22.83	1.98
825.0	15.47	20.75	15.39	11.20	1.11	0.64	42.73	22.66	2.00
850.0	15.42	20.77	15.05	10.96	1.11	0.64	42.71	22.80	1.99
875.0	15.37	20.76	14.62	10.75	1.11	0.64	41.78	22.94	2.04
900.0	15.32	20.74	14.25	10.56	1.11	0.64	42.43	22.76	2.03
925.0	15.27	20.79	13.87	10.35	1.11	0.64	41.01	22.92	2.00
950.0	15.22	20.78	13.49	10.15	1.11	0.64	40.32	23.01	2.07
975.0	15.17	20.77	13.09	9.94	1.11	0.64	41.17	22.84	2.08
1000.0	15.11	20.79	12.73	9.74	1.11	0.64	39.60	23.11	2.05
1025.0	15.06	20.80	12.35	9.54	1.10	0.64	40.75	23.17	2.06
1050.0	15.00	20.80	11.99	9.33	1.10	0.63	40.48	23.17	2.09
1075.0	14.94	20.82	11.63	9.14	1.10	0.64	40.54	23.11	2.13
1100.0	14.88	20.84	11.28	8.94	1.10	0.63	39.81	23.03	2.06
1125.0	14.81	20.86	10.92	8.74	1.10	0.63	40.22	22.96	2.10
1150.0	14.75	20.86	10.57	8.55	1.10	0.63	39.25	22.86	2.06
1175.0	14.68	20.89	10.24	8.36	1.10	0.63	39.33	22.80	2.12
1200.0	14.61	20.87	9.90	8.17	1.10	0.63	39.33	22.75	2.08
1300.0	14.31	20.99	8.58	7.43	1.10	0.62	38.50	22.40	2.10
1400.0	13.97	21.11	7.36	6.68	1.09	0.61	39.14	22.12	2.21
1500.0	13.57	21.29	6.23	5.94	1.09	0.60	38.31	21.69	2.19

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 = 163.33mA @ 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	16.49	20.89	20.75	18.13	1.10	0.64	41.00	23.07	1.90
250.0	16.43	20.87	21.30	17.67	1.11	0.64	40.40	22.88	1.91
300.0	16.37	20.85	21.36	17.11	1.11	0.64	41.83	23.33	2.02
350.0	16.32	20.84	21.14	16.48	1.11	0.64	41.54	23.26	1.94
400.0	16.26	20.86	20.78	15.85	1.11	0.64	42.54	23.21	1.94
450.0	16.20	20.80	20.24	15.21	1.11	0.63	42.65	23.37	1.96
500.0	16.14	20.84	19.66	14.57	1.11	0.64	43.99	23.47	1.95
525.0	16.11	20.86	19.31	14.31	1.11	0.64	42.54	23.17	1.99
550.0	16.08	20.86	18.97	13.98	1.11	0.64	42.65	23.20	1.95
575.0	16.05	20.85	18.62	13.67	1.11	0.64	44.13	23.45	2.05
600.0	16.01	20.85	18.28	13.39	1.11	0.64	44.71	23.34	2.07
625.0	15.98	20.88	17.91	13.09	1.11	0.64	43.92	23.34	1.96
650.0	15.94	20.87	17.57	12.80	1.11	0.64	48.72	23.59	2.07
675.0	15.90	20.86	17.19	12.55	1.11	0.64	46.01	23.55	2.11
700.0	15.86	20.89	16.80	12.28	1.11	0.64	49.71	23.62	2.01
725.0	15.82	20.88	16.42	12.04	1.11	0.64	49.78	23.73	2.07
750.0	15.77	20.90	16.06	11.77	1.11	0.64	50.55	23.66	2.10
775.0	15.73	20.91	15.68	11.53	1.11	0.64	48.56	23.80	2.03
800.0	15.68	20.88	15.28	11.28	1.11	0.63	46.95	23.91	2.05
825.0	15.64	20.92	14.92	11.07	1.11	0.64	48.74	23.77	2.06
850.0	15.59	20.93	14.57	10.85	1.11	0.64	46.53	23.88	2.08
875.0	15.54	20.94	14.18	10.63	1.11	0.64	48.62	24.05	2.12
900.0	15.49	20.93	13.81	10.42	1.11	0.63	46.91	23.85	2.10
925.0	15.44	20.94	13.46	10.20	1.11	0.63	46.40	24.04	2.05
950.0	15.38	20.95	13.10	9.99	1.11	0.63	44.69	24.16	2.09
975.0	15.33	20.95	12.72	9.79	1.11	0.63	45.62	23.95	2.14
1000.0	15.27	20.97	12.38	9.57	1.11	0.63	42.50	24.34	2.12
1025.0	15.21	20.95	12.01	9.36	1.10	0.63	43.32	24.34	2.14
1050.0	15.16	21.02	11.67	9.15	1.10	0.63	43.02	24.38	2.14
1075.0	15.09	21.02	11.33	8.96	1.10	0.63	43.56	24.31	2.17
1100.0	15.03	21.02	10.99	8.75	1.10	0.63	42.69	24.28	2.14
1125.0	14.96	21.08	10.65	8.55	1.10	0.63	42.60	24.19	2.20
1150.0	14.89	21.06	10.31	8.35	1.10	0.63	41.93	24.15	2.14
1175.0	14.82	21.05	10.00	8.16	1.10	0.62	41.98	24.05	2.20
1200.0	14.75	21.11	9.66	7.97	1.10	0.62	41.53	24.03	2.16
1300.0	14.44	21.22	8.39	7.22	1.10	0.62	40.57	23.76	2.16
1400.0	14.08	21.36	7.22	6.48	1.09	0.60	41.13	23.50	2.28
1500.0	13.68	21.54	6.14	5.76	1.09	0.59	40.26	23.04	2.31

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 = 152.03mA @ 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	15.94	20.35	24.53	16.89	1.10	0.63	38.24	22.73	1.60
250.0	15.87	20.28	27.07	16.84	1.11	0.63	37.89	22.58	1.65
300.0	15.82	20.28	29.25	16.59	1.11	0.63	39.00	22.94	1.72
350.0	15.78	20.26	31.03	16.30	1.11	0.63	38.94	22.86	1.64
400.0	15.74	20.28	31.57	15.96	1.11	0.63	39.11	22.81	1.63
450.0	15.69	20.22	30.66	15.56	1.11	0.62	39.40	22.96	1.65
500.0	15.65	20.28	28.90	15.20	1.12	0.63	40.54	23.02	1.69
525.0	15.63	20.25	27.96	15.02	1.12	0.63	39.57	22.80	1.73
550.0	15.60	20.25	26.99	14.82	1.11	0.63	39.35	22.81	1.73
575.0	15.58	20.25	26.10	14.61	1.12	0.63	40.62	23.01	1.71
600.0	15.56	20.27	25.24	14.40	1.12	0.63	40.56	22.91	1.76
625.0	15.53	20.27	24.38	14.21	1.12	0.63	40.19	22.93	1.67
650.0	15.51	20.24	23.64	13.98	1.11	0.63	41.95	23.12	1.76
675.0	15.48	20.29	22.95	13.77	1.12	0.63	41.85	23.08	1.79
700.0	15.45	20.27	22.22	13.56	1.12	0.63	42.47	23.15	1.70
725.0	15.42	20.27	21.58	13.35	1.12	0.63	42.79	23.24	1.75
750.0	15.38	20.29	20.95	13.13	1.12	0.63	43.99	23.17	1.72
775.0	15.35	20.26	20.36	12.89	1.12	0.63	43.37	23.30	1.72
800.0	15.32	20.27	19.73	12.66	1.12	0.63	44.11	23.39	1.75
825.0	15.28	20.28	19.14	12.47	1.12	0.63	43.82	23.24	1.74
850.0	15.24	20.28	18.62	12.23	1.12	0.63	44.39	23.37	1.77
875.0	15.21	20.30	18.02	12.01	1.12	0.63	46.87	23.49	1.82
900.0	15.17	20.30	17.44	11.78	1.12	0.63	44.25	23.34	1.80
925.0	15.12	20.32	16.86	11.54	1.12	0.63	47.11	23.47	1.73
950.0	15.08	20.30	16.32	11.31	1.12	0.63	51.02	23.55	1.81
975.0	15.04	20.30	15.74	11.08	1.11	0.63	46.52	23.43	1.82
1000.0	14.99	20.35	15.22	10.84	1.12	0.63	44.33	23.65	1.77
1025.0	14.94	20.33	14.70	10.60	1.11	0.63	47.87	23.75	1.80
1050.0	14.90	20.35	14.19	10.36	1.11	0.63	46.39	23.73	1.84
1075.0	14.84	20.38	13.70	10.12	1.11	0.63	47.64	23.66	1.87
1100.0	14.79	20.38	13.24	9.89	1.11	0.62	45.10	23.59	1.86
1125.0	14.73	20.39	12.78	9.66	1.11	0.62	46.52	23.54	1.86
1150.0	14.68	20.43	12.34	9.42	1.11	0.62	44.12	23.40	1.82
1175.0	14.62	20.45	11.92	9.20	1.11	0.62	44.02	23.38	1.92
1200.0	14.55	20.47	11.50	8.96	1.11	0.62	43.85	23.33	1.87
1300.0	14.27	20.58	9.89	8.01	1.11	0.61	42.09	22.96	1.86
1400.0	13.92	20.77	8.40	7.03	1.11	0.59	42.11	22.67	1.94
1500.0	13.51	21.04	7.08	6.10	1.11	0.57	41.24	22.22	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 = 4.75V, Id = 140.19mA @ 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	15.87	20.31	24.36	16.80	1.10	0.63	39.12	22.18	1.63
250.0	15.81	20.28	26.81	16.69	1.11	0.63	38.64	22.04	1.65
300.0	15.75	20.26	28.99	16.48	1.11	0.63	39.79	22.38	1.69
350.0	15.71	20.26	30.61	16.15	1.11	0.63	39.76	22.31	1.65
400.0	15.67	20.23	31.12	15.81	1.11	0.63	40.03	22.27	1.62
450.0	15.62	20.24	30.38	15.40	1.12	0.63	40.41	22.41	1.64
500.0	15.58	20.23	28.81	15.03	1.12	0.63	41.62	22.47	1.74
525.0	15.55	20.22	27.96	14.86	1.12	0.63	40.21	22.26	1.66
550.0	15.53	20.22	26.89	14.67	1.12	0.63	40.25	22.28	1.72
575.0	15.51	20.22	26.10	14.44	1.12	0.63	41.92	22.47	1.68
600.0	15.49	20.21	25.20	14.24	1.12	0.63	41.59	22.36	1.72
625.0	15.46	20.22	24.37	14.06	1.12	0.63	41.43	22.38	1.67
650.0	15.43	20.23	23.63	13.83	1.12	0.63	44.34	22.56	1.76
675.0	15.40	20.25	22.90	13.64	1.12	0.63	43.64	22.53	1.76
700.0	15.37	20.23	22.19	13.42	1.12	0.63	44.81	22.59	1.68
725.0	15.34	20.23	21.58	13.23	1.12	0.63	45.03	22.68	1.74
750.0	15.31	20.23	20.98	13.01	1.12	0.63	45.77	22.62	1.73
775.0	15.28	20.20	20.39	12.79	1.11	0.63	48.16	22.73	1.73
800.0	15.24	20.23	19.75	12.55	1.12	0.63	47.77	22.81	1.73
825.0	15.21	20.21	19.14	12.37	1.11	0.63	47.00	22.67	1.74
850.0	15.17	20.21	18.63	12.14	1.11	0.63	50.01	22.79	1.73
875.0	15.13	20.24	18.04	11.92	1.12	0.63	46.67	22.89	1.81
900.0	15.09	20.24	17.46	11.71	1.12	0.63	47.65	22.76	1.76
925.0	15.05	20.24	16.87	11.48	1.11	0.63	45.08	22.87	1.72
950.0	15.00	20.26	16.34	11.26	1.11	0.63	44.12	22.93	1.79
975.0	14.96	20.27	15.75	11.04	1.11	0.63	46.94	22.82	1.78
1000.0	14.91	20.26	15.23	10.81	1.11	0.63	42.19	22.97	1.77
1025.0	14.87	20.27	14.69	10.58	1.11	0.63	45.15	23.10	1.79
1050.0	14.82	20.27	14.19	10.35	1.11	0.63	43.41	23.05	1.81
1075.0	14.77	20.30	13.71	10.13	1.11	0.63	43.64	23.00	1.84
1100.0	14.71	20.32	13.24	9.90	1.11	0.63	42.06	22.88	1.81
1125.0	14.66	20.33	12.77	9.68	1.11	0.63	42.94	22.85	1.83
1150.0	14.60	20.34	12.33	9.45	1.11	0.63	41.26	22.67	1.79
1175.0	14.55	20.37	11.92	9.23	1.11	0.62	41.50	22.69	1.86
1200.0	14.48	20.37	11.50	9.02	1.11	0.62	41.36	22.62	1.87
1300.0	14.20	20.48	9.87	8.09	1.11	0.61	40.13	22.18	1.85
1400.0	13.86	20.66	8.37	7.12	1.11	0.60	40.34	21.86	1.92
1500.0	13.46	20.87	7.04	6.19	1.10	0.58	39.89	21.42	1.88

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 = 166.55mA @ 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	16.00	20.39	24.61	16.93	1.10	0.63	38.12	23.26	1.64
250.0	15.93	20.33	27.14	16.88	1.11	0.63	37.68	23.11	1.68
300.0	15.88	20.30	29.33	16.62	1.11	0.62	38.43	23.47	1.71
350.0	15.84	20.32	30.81	16.35	1.11	0.63	38.46	23.40	1.70
400.0	15.79	20.30	31.35	16.00	1.11	0.63	38.81	23.36	1.66
450.0	15.75	20.31	30.33	15.62	1.11	0.63	39.01	23.50	1.68
500.0	15.71	20.32	28.71	15.26	1.12	0.63	39.61	23.56	1.73
525.0	15.69	20.30	27.85	15.07	1.11	0.63	38.58	23.33	1.73
550.0	15.66	20.32	26.94	14.86	1.12	0.63	38.79	23.35	1.74
575.0	15.64	20.31	26.04	14.66	1.12	0.63	39.94	23.55	1.72
600.0	15.62	20.31	25.15	14.45	1.12	0.63	39.83	23.44	1.76
625.0	15.59	20.34	24.33	14.25	1.12	0.63	39.52	23.45	1.67
650.0	15.56	20.34	23.58	14.00	1.12	0.63	40.93	23.67	1.80
675.0	15.54	20.33	22.88	13.79	1.12	0.63	40.80	23.62	1.80
700.0	15.51	20.31	22.09	13.58	1.12	0.63	41.13	23.70	1.71
725.0	15.48	20.30	21.49	13.39	1.12	0.63	41.91	23.79	1.78
750.0	15.44	20.32	20.83	13.16	1.12	0.63	42.21	23.72	1.80
775.0	15.41	20.31	20.30	12.91	1.12	0.63	41.99	23.86	1.76
800.0	15.38	20.31	19.62	12.68	1.11	0.63	42.65	23.95	1.78
825.0	15.34	20.31	19.07	12.50	1.11	0.63	41.99	23.80	1.78
850.0	15.30	20.36	18.55	12.25	1.12	0.63	42.36	23.93	1.80
875.0	15.27	20.33	17.94	12.03	1.12	0.63	43.62	24.08	1.80
900.0	15.23	20.34	17.38	11.80	1.12	0.63	42.06	23.92	1.81
925.0	15.19	20.36	16.81	11.57	1.12	0.63	44.51	24.07	1.76
950.0	15.14	20.36	16.28	11.33	1.12	0.63	46.41	24.17	1.84
975.0	15.10	20.37	15.68	11.10	1.12	0.63	43.34	24.01	1.84
1000.0	15.05	20.39	15.18	10.86	1.12	0.63	44.73	24.30	1.81
1025.0	15.00	20.38	14.65	10.61	1.11	0.63	44.16	24.37	1.85
1050.0	14.95	20.43	14.17	10.36	1.12	0.63	44.36	24.38	1.86
1075.0	14.90	20.41	13.66	10.13	1.11	0.63	45.39	24.32	1.87
1100.0	14.85	20.44	13.22	9.88	1.11	0.62	47.28	24.26	1.89
1125.0	14.79	20.45	12.76	9.65	1.11	0.62	44.84	24.20	1.87
1150.0	14.73	20.49	12.31	9.42	1.11	0.62	44.62	24.11	1.84
1175.0	14.67	20.50	11.89	9.19	1.11	0.62	44.45	24.06	1.89
1200.0	14.61	20.51	11.47	8.95	1.11	0.62	43.54	24.02	1.90
1300.0	14.32	20.63	9.86	7.98	1.11	0.61	42.66	23.70	1.89
1400.0	13.97	20.83	8.39	7.01	1.11	0.59	42.88	23.42	1.96
1500.0	13.56	21.06	7.08	6.07	1.11	0.57	41.45	22.99	1.96

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: Vd = 5.00V, Id = 153.89mA @ 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	16.69	21.14	18.26	18.17	1.10	0.65	43.31	22.55	2.08
250.0	16.62	21.11	18.49	17.50	1.11	0.65	42.21	22.36	2.09
300.0	16.56	21.16	18.32	16.74	1.11	0.65	45.50	22.82	2.19
350.0	16.50	21.12	18.01	15.95	1.11	0.65	45.61	22.74	2.14
400.0	16.43	21.16	17.61	15.17	1.11	0.65	44.88	22.71	2.12
450.0	16.36	21.15	17.12	14.45	1.11	0.65	46.56	22.86	2.17
500.0	16.29	21.13	16.68	13.79	1.11	0.65	48.43	22.96	2.15
525.0	16.25	21.12	16.47	13.49	1.11	0.65	46.10	22.67	2.21
550.0	16.21	21.13	16.22	13.15	1.11	0.65	48.47	22.72	2.16
575.0	16.17	21.17	16.00	12.83	1.11	0.65	47.19	22.95	2.26
600.0	16.14	21.19	15.75	12.54	1.11	0.65	49.56	22.84	2.26
625.0	16.09	21.16	15.49	12.25	1.11	0.64	48.26	22.83	2.15
650.0	16.05	21.17	15.25	11.93	1.11	0.65	45.99	23.08	2.26
675.0	16.00	21.17	14.98	11.68	1.11	0.64	45.54	23.04	2.30
700.0	15.95	21.16	14.68	11.41	1.10	0.64	44.44	23.11	2.21
725.0	15.90	21.16	14.41	11.16	1.10	0.64	44.10	23.21	2.28
750.0	15.85	21.20	14.09	10.91	1.11	0.64	43.64	23.16	2.24
775.0	15.80	21.20	13.80	10.67	1.10	0.64	43.26	23.28	2.25
800.0	15.75	21.23	13.45	10.44	1.10	0.64	43.28	23.40	2.26
825.0	15.69	21.21	13.15	10.24	1.10	0.64	43.40	23.22	2.24
850.0	15.64	21.21	12.87	10.02	1.10	0.64	43.03	23.36	2.29
875.0	15.58	21.22	12.55	9.83	1.10	0.64	41.89	23.52	2.29
900.0	15.52	21.21	12.24	9.64	1.10	0.64	42.90	23.31	2.32
925.0	15.47	21.24	11.93	9.44	1.10	0.64	41.63	23.50	2.27
950.0	15.41	21.25	11.65	9.25	1.10	0.64	41.27	23.60	2.36
975.0	15.35	21.25	11.32	9.08	1.10	0.64	42.00	23.40	2.32
1000.0	15.28	21.26	11.04	8.89	1.10	0.64	40.07	23.75	2.35
1025.0	15.22	21.26	10.73	8.70	1.09	0.64	40.70	23.75	2.34
1050.0	15.16	21.31	10.45	8.51	1.09	0.64	40.55	23.76	2.36
1075.0	15.09	21.30	10.16	8.34	1.09	0.64	40.78	23.69	2.38
1100.0	15.02	21.31	9.88	8.17	1.09	0.64	40.31	23.64	2.38
1125.0	14.95	21.33	9.60	8.00	1.09	0.64	40.55	23.54	2.41
1150.0	14.89	21.34	9.32	7.83	1.09	0.63	39.91	23.47	2.36
1175.0	14.81	21.34	9.04	7.66	1.09	0.63	39.83	23.38	2.51
1200.0	14.74	21.39	8.76	7.50	1.09	0.63	39.59	23.34	2.39
1300.0	14.42	21.45	7.65	6.86	1.08	0.62	39.14	23.02	2.42
1400.0	14.06	21.59	6.60	6.24	1.08	0.62	39.28	22.76	2.49
1500.0	13.67	21.74	5.62	5.63	1.07	0.61	38.83	22.35	2.53

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 = 140.44mA @ 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	16.59	21.08	18.65	18.11	1.11	0.65	43.22	22.06	2.02
250.0	16.52	21.05	18.91	17.46	1.11	0.65	43.56	21.88	2.09
300.0	16.45	21.04	18.74	16.71	1.11	0.65	49.93	22.31	2.16
350.0	16.39	21.04	18.45	15.97	1.11	0.65	47.31	22.23	2.08
400.0	16.33	21.04	18.06	15.22	1.11	0.65	47.51	22.20	2.08
450.0	16.26	21.08	17.58	14.50	1.11	0.65	52.18	22.39	2.10
500.0	16.19	21.06	17.11	13.85	1.11	0.65	46.59	22.45	2.11
525.0	16.15	21.03	16.88	13.56	1.11	0.65	48.78	22.16	2.17
550.0	16.12	21.04	16.63	13.23	1.11	0.65	51.16	22.20	2.17
575.0	16.08	21.05	16.38	12.93	1.11	0.65	44.87	22.44	2.21
600.0	16.04	21.05	16.13	12.62	1.11	0.65	45.99	22.32	2.19
625.0	16.00	21.10	15.85	12.33	1.11	0.65	45.93	22.32	2.11
650.0	15.95	21.08	15.63	12.04	1.11	0.65	43.26	22.55	2.24
675.0	15.91	21.06	15.33	11.78	1.11	0.64	43.47	22.51	2.23
700.0	15.86	21.09	15.02	11.51	1.11	0.65	42.54	22.58	2.10
725.0	15.81	21.09	14.72	11.27	1.11	0.65	42.25	22.68	2.21
750.0	15.76	21.09	14.41	11.02	1.11	0.65	41.62	22.62	2.23
775.0	15.71	21.07	14.11	10.78	1.10	0.64	41.56	22.74	2.20
800.0	15.66	21.06	13.77	10.57	1.10	0.64	41.62	22.84	2.20
825.0	15.60	21.09	13.44	10.36	1.10	0.64	41.36	22.68	2.24
850.0	15.55	21.10	13.16	10.16	1.10	0.64	41.35	22.82	2.24
875.0	15.49	21.15	12.81	9.96	1.10	0.65	40.78	22.96	2.22
900.0	15.44	21.16	12.50	9.77	1.10	0.65	41.37	22.77	2.25
925.0	15.38	21.13	12.18	9.57	1.10	0.64	40.43	22.94	2.23
950.0	15.33	21.13	11.89	9.39	1.10	0.64	39.63	23.03	2.33
975.0	15.27	21.13	11.55	9.20	1.10	0.64	40.68	22.84	2.28
1000.0	15.20	21.15	11.27	9.02	1.10	0.64	38.76	23.16	2.26
1025.0	15.14	21.16	10.95	8.84	1.10	0.64	39.80	23.18	2.30
1050.0	15.08	21.17	10.66	8.65	1.09	0.64	39.82	23.18	2.30
1075.0	15.02	21.16	10.36	8.48	1.09	0.64	39.66	23.11	2.37
1100.0	14.95	21.18	10.07	8.30	1.09	0.64	39.12	23.04	2.29
1125.0	14.88	21.20	9.78	8.13	1.09	0.64	39.57	22.96	2.33
1150.0	14.81	21.22	9.49	7.97	1.09	0.64	38.76	22.87	2.30
1175.0	14.74	21.22	9.21	7.80	1.09	0.63	38.83	22.78	2.34
1200.0	14.67	21.23	8.92	7.63	1.09	0.63	38.69	22.73	2.34
1300.0	14.36	21.29	7.78	6.99	1.08	0.63	38.33	22.40	2.34
1400.0	14.01	21.43	6.70	6.36	1.08	0.62	38.48	22.14	2.46
1500.0	13.62	21.58	5.69	5.75	1.07	0.61	37.92	21.71	2.46

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 = 167.36mA @ 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	16.77	21.21	17.88	18.19	1.10	0.65	42.70	23.00	2.16
250.0	16.70	21.15	18.04	17.50	1.10	0.64	42.13	22.79	2.18
300.0	16.63	21.20	17.93	16.68	1.11	0.65	43.43	23.28	2.26
350.0	16.58	21.21	17.59	15.90	1.11	0.65	44.50	23.20	2.21
400.0	16.51	21.17	17.20	15.11	1.11	0.65	44.14	23.15	2.21
450.0	16.44	21.21	16.78	14.37	1.11	0.65	45.49	23.32	2.23
500.0	16.36	21.22	16.33	13.70	1.11	0.65	45.69	23.43	2.26
525.0	16.33	21.26	16.09	13.38	1.11	0.65	44.67	23.14	2.25
550.0	16.29	21.24	15.87	13.05	1.11	0.65	44.83	23.16	2.27
575.0	16.25	21.22	15.66	12.72	1.11	0.64	47.30	23.41	2.31
600.0	16.21	21.23	15.41	12.43	1.11	0.64	46.74	23.34	2.31
625.0	16.16	21.28	15.15	12.14	1.11	0.65	46.75	23.33	2.21
650.0	16.12	21.27	14.92	11.84	1.11	0.65	46.99	23.58	2.34
675.0	16.07	21.23	14.67	11.57	1.10	0.64	46.22	23.52	2.38
700.0	16.02	21.29	14.38	11.30	1.11	0.64	45.60	23.61	2.28
725.0	15.97	21.29	14.09	11.05	1.11	0.64	45.60	23.71	2.31
750.0	15.92	21.27	13.80	10.81	1.10	0.64	44.48	23.65	2.33
775.0	15.86	21.29	13.51	10.57	1.10	0.64	44.34	23.78	2.30
800.0	15.81	21.31	13.20	10.32	1.10	0.64	43.49	23.88	2.30
825.0	15.76	21.32	12.90	10.13	1.10	0.64	44.56	23.71	2.35
850.0	15.70	21.32	12.63	9.91	1.10	0.64	43.19	23.86	2.32
875.0	15.64	21.32	12.30	9.70	1.10	0.64	43.28	24.02	2.40
900.0	15.58	21.34	12.00	9.51	1.10	0.64	43.73	23.81	2.38
925.0	15.53	21.35	11.70	9.31	1.10	0.64	42.55	24.00	2.32
950.0	15.47	21.36	11.43	9.13	1.10	0.64	41.99	24.11	2.41
975.0	15.40	21.37	11.12	8.95	1.10	0.64	42.51	23.89	2.39
1000.0	15.34	21.38	10.84	8.77	1.10	0.64	40.68	24.26	2.39
1025.0	15.28	21.36	10.54	8.57	1.09	0.64	41.42	24.24	2.41
1050.0	15.21	21.43	10.27	8.39	1.10	0.64	41.37	24.26	2.45
1075.0	15.14	21.41	9.98	8.22	1.09	0.64	40.90	24.19	2.45
1100.0	15.08	21.41	9.72	8.05	1.09	0.63	40.90	24.15	2.46
1125.0	15.00	21.42	9.44	7.88	1.09	0.63	40.88	24.05	2.47
1150.0	14.93	21.46	9.16	7.71	1.09	0.63	40.51	23.99	2.40
1175.0	14.86	21.46	8.90	7.54	1.09	0.63	40.71	23.89	2.50
1200.0	14.78	21.46	8.63	7.38	1.09	0.63	39.99	23.85	2.44
1300.0	14.45	21.56	7.54	6.74	1.08	0.62	39.68	23.55	2.51
1400.0	14.09	21.73	6.51	6.13	1.08	0.62	39.73	23.28	2.61
1500.0	13.70	21.86	5.55	5.53	1.07	0.60	39.04	22.82	2.60