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, Id = 68mA @ 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)
25000	21.65	48.14	10.30	8.35	9.66	0.92	22.93	11.19	1.59
25200	21.52	47.53	10.14	8.27	9.09	0.92	21.56	11.10	1.69
25400	21.36	47.82	9.97	8.07	9.45	0.92	21.16	11.14	1.71
25500	21.29	47.66	9.87	8.02	9.34	0.92	22.40	11.07	1.73
25600	21.20	47.62	9.79	7.96	9.35	0.92	21.85	11.05	1.68
25800	21.03	48.82	9.60	7.82	10.78	0.92	22.46	11.12	1.73
26000	20.86	48.38	9.42	7.72	10.38	0.92	21.22	11.06	1.81
26200	20.68	48.26	9.20	7.55	10.31	0.92	22.02	11.12	1.87
26400	20.49	47.76	8.99	7.45	9.83	0.92	22.55	11.17	1.83
26500	20.41	47.88	8.93	7.40	10.01	0.92	21.31	11.14	1.83
26600	20.30	47.99	8.82	7.35	10.21	0.92	21.69	10.96	1.91
26800	20.14	47.87	8.69	7.28	10.18	0.92	22.06	11.04	1.93
27000	19.97	48.01	8.52	7.20	10.41	0.92	21.83	11.15	1.99
27200	19.79	46.78	8.37	7.17	9.18	0.92	21.38	10.68	2.00
27400	19.64	47.25	8.24	7.13	9.79	0.92	22.10	11.10	2.02
27500	19.57	47.41	8.21	7.12	10.01	0.92	20.69	10.94	2.07
27600	19.49	47.22	8.13	7.14	9.85	0.93	23.20	10.95	2.02
27800	19.41	47.09	8.04	7.23	9.81	0.94	21.20	11.18	2.09
28000	19.25	46.14	7.97	7.34	8.98	0.95	22.33	11.16	2.16
28200	19.14	47.10	7.91	7.44	10.16	0.95	21.64	10.95	2.07
28400	19.07	45.89	7.91	7.56	8.99	0.96	21.05	11.13	2.15
28500	19.02	46.31	7.90	7.67	9.50	0.97	20.96	10.91	2.18
28600	18.96	46.57	7.90	7.81	9.94	0.97	21.20	11.10	2.21
28800	18.86	46.42	7.88	7.99	9.93	0.98	21.61	10.88	2.21
29000	18.76	45.49	7.85	8.18	9.10	0.99	21.06	10.91	2.18
29200	18.68	46.22	7.93	8.40	10.09	1.00	21.77	10.64	2.27
29400	18.60	45.68	8.01	8.62	9.70	1.01	22.29	11.07	2.27
29500	18.54	45.24	8.01	8.78	9.32	1.01	22.17	10.81	2.23
29600	18.49	45.13	8.05	8.86	9.31	1.01	21.51	10.81	2.32
29800	18.41	45.54	8.11	9.08	9.96	1.02	22.98	10.99	2.39
30000	18.34	45.90	8.17	9.27	10.56	1.02	20.56	11.16	2.27
30200	18.22	44.72	8.24	9.49	9.43	1.03	23.12	10.92	2.31
30400	18.12	45.49	8.26	9.66	10.50	1.03	22.21	10.96	2.36
30500	18.07	45.60	8.28	9.74	10.72	1.03	21.62	11.10	2.42
30600	18.04	46.33	8.30	9.78	11.75	1.03	21.38	11.27	2.40
30800	17.95	45.03	8.36	9.85	10.26	1.03	22.84	10.95	2.40
31000	17.84	46.16	8.32	9.90	11.87	1.04	21.01	10.99	2.40
32000	17.21	46.83	7.76	9.49	13.33	1.04	21.75	10.56	2.70

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 = 3.75V, Id = 63mA @ 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)
25000	21.45	48.31	10.29	8.43	10.11	0.93	22.13	10.61	1.69
25200	21.31	47.96	10.14	8.34	9.81	0.93	20.78	10.53	1.72
25400	21.16	47.44	9.96	8.16	9.30	0.92	21.96	10.57	1.71
25500	21.08	48.15	9.85	8.08	10.11	0.92	21.54	10.50	1.74
25600	20.99	47.28	9.78	8.04	9.22	0.92	21.99	10.49	1.74
25800	20.83	47.51	9.59	7.89	9.53	0.92	21.46	10.45	1.76
26000	20.65	47.95	9.39	7.79	10.13	0.92	20.99	10.49	1.80
26200	20.47	47.74	9.18	7.62	9.98	0.92	21.24	10.45	1.80
26400	20.29	47.50	8.97	7.51	9.80	0.92	21.19	10.59	1.86
26500	20.21	47.15	8.90	7.45	9.45	0.92	21.77	10.57	1.87
26600	20.10	47.47	8.78	7.40	9.84	0.92	22.07	10.39	1.84
26800	19.94	47.79	8.64	7.36	10.33	0.92	21.62	10.46	1.93
27000	19.77	46.74	8.51	7.24	9.25	0.92	21.02	10.58	1.95
27200	19.59	46.63	8.33	7.22	9.23	0.93	21.86	10.20	1.96
27400	19.45	46.55	8.21	7.18	9.25	0.93	22.36	10.52	2.10
27500	19.37	46.81	8.19	7.16	9.58	0.93	21.77	10.38	2.07
27600	19.29	47.01	8.09	7.19	9.83	0.93	22.03	10.37	2.03
27800	19.20	47.27	7.99	7.27	10.23	0.94	21.61	10.59	2.11
28000	19.04	47.45	7.94	7.35	10.68	0.95	20.85	10.59	2.18
28200	18.94	47.96	7.85	7.48	11.48	0.96	21.41	10.38	2.17
28400	18.86	44.72	7.86	7.62	8.05	0.96	21.00	10.55	2.09
28500	18.81	45.90	7.85	7.72	9.30	0.97	23.86	10.34	2.17
28600	18.75	46.53	7.83	7.85	10.09	0.98	21.14	10.52	2.22
28800	18.65	45.75	7.82	8.02	9.40	0.99	21.25	10.32	2.18
29000	18.55	45.02	7.78	8.20	8.79	1.00	21.39	10.33	2.14
29200	18.47	46.11	7.85	8.44	10.20	1.00	21.88	10.16	2.27
29400	18.39	44.95	7.94	8.64	9.10	1.01	20.53	10.49	2.24
29500	18.33	45.46	7.93	8.79	9.78	1.01	21.76	10.21	2.23
29600	18.27	45.56	7.98	8.87	10.01	1.02	21.81	10.22	2.32
29800	18.19	45.18	8.03	9.08	9.76	1.02	22.05	10.42	2.30
30000	18.13	45.16	8.08	9.29	9.91	1.03	20.69	10.58	2.25
30200	18.00	45.01	8.15	9.53	9.97	1.03	21.97	10.35	2.40
30400	17.91	45.41	8.17	9.67	10.61	1.04	20.62	10.38	2.34
30500	17.86	45.76	8.19	9.73	11.15	1.04	22.07	10.53	2.28
30600	17.83	46.31	8.21	9.79	11.98	1.04	21.89	10.68	2.38
30800	17.73	46.70	8.25	9.84	12.71	1.04	21.42	10.36	2.46
31000	17.62	46.59	8.21	9.90	12.74	1.04	21.48	10.41	2.43
32000	16.98	47.12	7.69	9.49	14.10	1.04	20.92	9.99	2.65

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 = 4.25V, Id = 73mA @ 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)
25000	21.81	47.98	10.32	8.28	9.30	0.92	22.88	11.71	1.70
25200	21.68	48.44	10.16	8.20	9.88	0.92	22.57	11.62	1.69
25400	21.53	47.98	9.99	8.01	9.43	0.92	22.55	11.67	1.71
25500	21.45	48.00	9.88	7.94	9.49	0.92	23.04	11.59	1.75
25600	21.36	48.00	9.81	7.90	9.56	0.92	22.19	11.58	1.83
25800	21.19	48.37	9.63	7.76	10.05	0.92	22.53	11.64	1.86
26000	21.02	48.09	9.44	7.65	9.84	0.91	21.31	11.59	1.82
26200	20.84	48.75	9.22	7.50	10.68	0.91	22.15	11.64	1.76
26400	20.65	48.35	9.02	7.41	10.33	0.91	22.01	11.70	1.95
26500	20.57	47.97	8.94	7.34	9.92	0.91	21.23	11.66	1.84
26600	20.47	47.74	8.86	7.29	9.70	0.91	21.44	11.49	1.92
26800	20.31	47.59	8.70	7.25	9.69	0.91	21.68	11.57	1.94
27000	20.13	47.29	8.55	7.14	9.44	0.91	22.38	11.68	1.92
27200	19.95	47.17	8.38	7.12	9.41	0.92	22.33	11.20	1.97
27400	19.81	47.71	8.25	7.10	10.09	0.92	22.71	11.71	1.96
27500	19.72	46.64	8.24	7.07	9.00	0.92	22.76	11.48	2.11
27600	19.66	48.29	8.15	7.11	10.91	0.93	24.38	11.47	2.08
27800	19.57	47.90	8.07	7.17	10.61	0.93	22.30	11.70	2.11
28000	19.42	46.74	8.00	7.28	9.42	0.94	22.08	11.68	2.15
28200	19.31	46.89	7.97	7.39	9.75	0.95	22.05	11.49	2.14
28400	19.24	46.47	7.95	7.52	9.43	0.96	22.06	11.67	2.13
28500	19.18	45.80	7.95	7.64	8.83	0.96	21.36	11.54	2.24
28600	19.12	46.36	7.94	7.78	9.50	0.97	23.10	11.63	2.20
28800	19.03	46.82	7.94	7.96	10.22	0.98	22.34	11.43	2.22
29000	18.93	45.56	7.90	8.17	9.00	0.99	21.89	11.45	2.21
29200	18.86	45.50	7.97	8.39	9.13	1.00	21.94	11.16	2.23
29400	18.77	45.77	8.08	8.60	9.63	1.00	22.64	11.60	2.24
29500	18.72	45.82	8.07	8.77	9.80	1.01	22.39	11.34	2.29
29600	18.66	45.24	8.12	8.86	9.28	1.01	22.57	11.34	2.32
29800	18.58	45.17	8.19	9.07	9.38	1.02	21.24	11.53	2.29
30000	18.52	45.42	8.24	9.26	9.82	1.02	21.58	11.60	2.31
30200	18.40	46.19	8.33	9.50	11.00	1.03	21.32	11.46	2.41
30400	18.30	45.56	8.34	9.66	10.40	1.03	22.08	11.49	2.32
30500	18.25	45.47	8.35	9.75	10.37	1.03	22.90	11.63	2.28
30600	18.23	45.29	8.40	9.78	10.24	1.03	22.65	11.79	2.38
30800	18.13	46.19	8.43	9.84	11.52	1.03	21.39	11.46	2.43
31000	18.03	45.92	8.38	9.90	11.33	1.03	21.78	11.51	2.44
32000	17.40	47.07	7.84	9.53	13.47	1.04	21.35	11.10	2.68

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, Id = 73.00mA @ 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)
25000	23.33	47.68	10.61	7.62	7.28	0.88	23.14	11.52	1.02
25200	23.14	47.55	10.21	7.41	7.18	0.88	22.61	11.44	1.08
25400	22.94	47.55	9.62	7.17	7.17	0.88	23.18	11.40	1.11
25500	22.84	47.50	9.43	7.09	7.14	0.88	23.03	11.34	1.12
25600	22.74	47.67	9.30	7.01	7.30	0.88	22.71	11.40	1.13
25800	22.53	48.16	8.95	6.87	7.75	0.88	22.71	11.28	1.20
26000	22.38	48.14	8.65	6.88	7.80	0.89	21.96	11.30	1.18
26200	22.22	47.92	8.50	6.82	7.68	0.89	22.94	11.40	1.20
26400	22.03	47.11	8.30	6.76	7.07	0.89	23.24	11.40	1.29
26500	21.98	47.51	8.31	6.76	7.45	0.90	23.35	11.43	1.25
26600	21.91	47.71	8.22	6.78	7.66	0.90	22.90	11.37	1.23
26800	21.77	47.56	8.09	6.81	7.63	0.91	22.17	11.38	1.31
27000	21.64	48.26	8.11	6.84	8.41	0.91	21.46	11.54	1.31
27200	21.50	47.84	7.98	6.87	8.10	0.91	21.72	11.23	1.35
27400	21.38	46.75	8.17	6.78	7.25	0.90	21.88	11.53	1.30
27500	21.33	47.56	8.30	6.77	8.03	0.90	21.90	11.33	1.37
27600	21.27	46.27	8.30	6.82	7.01	0.90	22.72	11.41	1.33
27800	21.21	45.70	8.34	6.95	6.68	0.91	23.64	11.61	1.40
28000	21.06	47.02	8.46	6.91	7.90	0.91	22.06	11.54	1.37
28200	20.90	45.72	8.39	6.86	6.89	0.90	22.33	11.38	1.44
28400	20.76	45.38	8.24	6.81	6.70	0.91	21.22	11.44	1.37
28500	20.67	45.89	8.16	6.82	7.13	0.91	22.98	11.25	1.46
28600	20.59	45.93	8.08	6.85	7.18	0.92	22.05	11.40	1.51
28800	20.42	46.63	8.09	6.89	7.96	0.92	22.44	11.24	1.49
29000	20.24	45.57	7.77	6.88	7.07	0.93	22.12	11.21	1.53
29200	20.09	45.52	7.64	6.98	7.13	0.94	24.39	10.97	1.59
29400	19.95	45.77	7.65	7.23	7.55	0.96	22.26	11.26	1.62
29500	19.91	45.60	7.62	7.38	7.48	0.97	25.21	11.07	1.64
29600	19.85	45.63	7.64	7.49	7.61	0.97	22.92	11.04	1.66
29800	19.74	45.61	7.50	7.80	7.73	0.99	21.76	11.28	1.73
30000	19.73	45.30	7.57	8.25	7.66	1.01	21.93	11.47	1.69
30200	19.66	44.69	7.70	8.68	7.36	1.02	20.69	11.34	1.70
30400	19.59	45.42	7.71	9.12	8.21	1.04	22.10	11.42	1.75
30500	19.57	45.71	7.73	9.29	8.58	1.04	22.67	11.51	1.73
30600	19.56	45.51	7.76	9.44	8.47	1.04	21.29	11.66	1.75
30800	19.52	45.30	8.03	9.66	8.46	1.04	21.68	11.43	1.76
31000	19.49	45.56	8.29	9.81	8.91	1.04	22.22	11.46	1.66
32000	18.95	46.29	8.64	8.57	10.05	0.99	22.00	10.90	1.83

Typical Performance Data

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

TEST CONDITIONS: Vd = 3.75V, Id = 68mA @ 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)
25000	23.14	47.71	10.54	7.71	7.46	0.89	23.96	10.94	1.02
25200	22.95	46.84	10.20	7.51	6.80	0.89	21.99	10.75	1.05
25400	22.76	47.46	9.69	7.27	7.29	0.89	23.07	10.80	1.10
25500	22.66	47.59	9.51	7.18	7.41	0.89	23.16	10.74	1.14
25600	22.56	48.00	9.37	7.11	7.78	0.89	22.23	10.71	1.10
25800	22.36	47.35	9.03	6.96	7.26	0.89	22.71	10.70	1.24
26000	22.21	47.45	8.75	6.96	7.41	0.89	22.02	10.70	1.16
26200	22.05	47.89	8.57	6.89	7.84	0.90	23.31	10.81	1.20
26400	21.86	47.13	8.37	6.82	7.27	0.90	22.13	10.81	1.24
26500	21.79	47.16	8.34	6.82	7.34	0.90	22.56	10.82	1.30
26600	21.72	46.89	8.25	6.84	7.16	0.90	21.59	10.77	1.24
26800	21.57	47.23	8.13	6.87	7.56	0.91	21.81	10.79	1.29
27000	21.45	46.18	8.11	6.89	6.78	0.91	23.52	10.86	1.27
27200	21.31	46.75	7.99	6.89	7.33	0.91	21.13	10.61	1.33
27400	21.17	47.91	8.10	6.82	8.47	0.91	21.59	10.85	1.36
27500	21.13	46.14	8.21	6.79	7.00	0.90	22.36	10.76	1.34
27600	21.07	46.72	8.19	6.85	7.52	0.91	26.12	10.81	1.34
27800	21.00	45.80	8.24	7.00	6.93	0.91	22.47	11.02	1.36
28000	20.84	45.81	8.32	6.96	7.03	0.91	20.85	10.96	1.29
28200	20.69	47.20	8.26	6.91	8.33	0.91	22.45	10.78	1.38
28400	20.56	46.04	8.14	6.87	7.37	0.91	20.78	10.85	1.40
28500	20.47	45.23	8.08	6.86	6.72	0.92	22.49	10.67	1.51
28600	20.38	46.03	8.03	6.91	7.45	0.92	21.30	10.79	1.50
28800	20.22	46.55	8.02	6.94	8.05	0.93	23.29	10.65	1.49
29000	20.05	45.43	7.78	6.95	7.13	0.94	22.12	10.53	1.54
29200	19.90	45.02	7.66	7.06	6.90	0.95	22.00	10.36	1.58
29400	19.77	45.55	7.67	7.29	7.54	0.96	20.82	10.67	1.69
29500	19.73	44.42	7.63	7.43	6.67	0.97	22.44	10.48	1.63
29600	19.67	45.54	7.64	7.56	7.72	0.97	22.28	10.45	1.68
29800	19.57	44.96	7.55	7.82	7.35	0.99	21.87	10.68	1.66
30000	19.54	45.04	7.59	8.26	7.60	1.01	21.37	10.77	1.68
30200	19.47	45.20	7.70	8.68	7.98	1.02	22.72	10.63	1.83
30400	19.40	44.73	7.70	9.10	7.74	1.04	21.65	10.82	1.73
30500	19.37	45.38	7.72	9.28	8.44	1.04	23.24	10.81	1.77
30600	19.36	45.67	7.76	9.42	8.82	1.04	24.22	11.07	1.75
30800	19.31	44.83	7.98	9.65	8.18	1.04	21.27	10.84	1.75
31000	19.27	45.55	8.21	9.81	9.09	1.04	23.11	10.76	1.67
32000	18.73	46.14	8.46	8.61	10.08	0.99	22.40	10.30	1.82

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 = 4.25V, Id = 78mA @ 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)
25000	23.50	48.05	10.62	7.53	7.41	0.88	23.44	12.06	1.05
25200	23.30	47.90	10.20	7.32	7.30	0.88	22.56	11.97	1.07
25400	23.10	48.19	9.56	7.10	7.53	0.88	23.01	11.94	1.14
25500	22.99	47.43	9.37	7.02	6.94	0.88	23.20	11.88	1.20
25600	22.89	47.75	9.25	6.94	7.21	0.88	23.33	11.93	1.14
25800	22.69	48.14	8.89	6.81	7.56	0.88	23.05	11.90	1.23
26000	22.54	47.91	8.61	6.82	7.43	0.89	22.55	11.93	1.21
26200	22.39	48.00	8.47	6.77	7.57	0.89	22.56	11.95	1.24
26400	22.20	48.31	8.28	6.71	7.92	0.89	22.90	11.94	1.25
26500	22.15	47.63	8.29	6.72	7.39	0.89	23.96	11.97	1.28
26600	22.07	46.78	8.20	6.72	6.75	0.89	22.67	11.92	1.25
26800	21.93	48.44	8.09	6.79	8.27	0.90	22.24	11.93	1.28
27000	21.82	47.56	8.12	6.81	7.59	0.90	24.06	12.07	1.31
27200	21.68	46.75	8.03	6.83	7.01	0.91	22.03	11.87	1.39
27400	21.56	46.06	8.25	6.70	6.60	0.89	24.02	12.06	1.35
27500	21.51	45.27	8.35	6.74	6.08	0.90	23.37	11.86	1.38
27600	21.46	46.64	8.35	6.78	7.16	0.90	21.69	11.95	1.34
27800	21.40	46.64	8.42	6.92	7.29	0.91	20.73	12.16	1.35
28000	21.24	46.60	8.54	6.88	7.38	0.90	21.35	12.08	1.37
28200	21.09	46.53	8.45	6.82	7.41	0.90	24.73	11.93	1.46
28400	20.94	45.66	8.27	6.75	6.74	0.90	21.67	12.05	1.43
28500	20.84	45.74	8.21	6.75	6.83	0.91	22.56	11.78	1.44
28600	20.76	45.01	8.12	6.78	6.33	0.91	21.39	11.96	1.48
28800	20.60	46.70	8.14	6.82	7.84	0.91	21.62	11.78	1.52
29000	20.41	46.14	7.82	6.85	7.41	0.93	21.46	11.74	1.57
29200	20.25	45.60	7.67	6.94	7.05	0.94	22.68	11.50	1.61
29400	20.12	46.15	7.65	7.18	7.72	0.95	22.52	11.79	1.60
29500	20.08	45.38	7.63	7.36	7.15	0.96	21.07	11.60	1.66
29600	20.02	45.82	7.65	7.47	7.62	0.97	23.28	11.67	1.70
29800	19.91	46.03	7.50	7.76	7.96	0.99	22.77	11.83	1.71
30000	19.91	45.36	7.59	8.26	7.57	1.01	21.55	12.03	1.70
30200	19.84	45.44	7.73	8.69	7.88	1.02	23.92	11.80	1.75
30400	19.79	45.12	7.74	9.15	7.78	1.04	22.90	11.98	1.76
30500	19.75	45.69	7.76	9.33	8.39	1.04	22.39	12.06	1.76
30600	19.75	45.68	7.79	9.45	8.46	1.04	22.94	12.21	1.78
30800	19.72	46.36	8.08	9.69	9.37	1.04	23.21	11.99	1.79
31000	19.69	45.60	8.37	9.85	8.78	1.04	22.83	12.01	1.80
32000	19.16	46.73	8.75	8.51	10.34	0.98	22.43	11.44	1.81

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 = 4.00V, Id = 65mA @ 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)
25000	20.38	48.17	10.77	8.73	11.66	0.93	22.23	10.67	2.28
25200	20.24	48.19	10.60	8.59	11.79	0.93	21.46	10.58	2.31
25400	20.10	48.34	10.34	8.38	12.03	0.93	22.00	10.66	2.28
25500	20.00	47.96	10.18	8.29	11.56	0.93	21.98	10.56	2.32
25600	19.90	47.87	9.98	8.22	11.50	0.93	22.88	10.54	2.32
25800	19.73	47.97	9.73	8.07	11.71	0.93	22.18	10.61	2.41
26000	19.56	47.81	9.55	7.96	11.64	0.93	20.93	10.55	2.41
26200	19.37	48.12	9.33	7.84	12.17	0.93	22.03	10.63	2.45
26400	19.20	48.15	9.10	7.77	12.33	0.93	21.88	10.68	2.45
26500	19.13	48.14	8.95	7.73	12.34	0.93	21.96	10.65	2.52
26600	19.02	46.99	8.86	7.71	10.88	0.94	22.80	10.57	2.50
26800	18.86	47.65	8.72	7.70	11.96	0.94	21.88	10.67	2.59
27000	18.70	46.85	8.46	7.63	10.94	0.94	21.61	10.66	2.58
27200	18.52	47.03	8.30	7.64	11.31	0.95	21.21	10.32	2.62
27400	18.38	47.25	8.19	7.63	11.73	0.95	22.06	10.70	2.66
27500	18.31	46.55	8.05	7.62	10.86	0.95	21.31	10.55	2.70
27600	18.25	46.78	8.14	7.65	11.26	0.96	22.25	10.45	2.66
27800	18.17	46.71	7.98	7.81	11.34	0.97	21.03	10.79	2.68
28000	18.01	46.53	7.86	7.87	11.23	0.97	20.05	10.85	2.59
28200	17.91	46.31	7.87	8.00	11.16	0.98	22.11	10.56	2.82
28400	17.82	47.03	7.82	8.13	12.32	0.99	20.42	10.71	2.77
28500	17.75	46.33	7.75	8.21	11.41	0.99	21.88	10.50	2.85
28600	17.71	46.29	7.78	8.33	11.50	1.00	22.33	10.61	2.92
28800	17.62	46.14	7.84	8.50	11.52	1.00	20.94	10.49	2.92
29000	17.55	46.11	7.87	8.72	11.68	1.01	20.28	10.40	2.83
29200	17.47	45.86	7.88	9.00	11.58	1.02	21.44	10.25	2.91
29400	17.39	45.91	7.84	9.26	11.84	1.03	21.28	10.57	2.93
29500	17.36	45.54	7.88	9.45	11.47	1.04	20.81	10.32	2.98
29600	17.33	45.72	7.95	9.54	11.85	1.04	21.14	10.33	2.96
29800	17.23	45.05	8.08	9.88	11.26	1.04	22.24	10.55	2.99
30000	17.16	45.65	8.06	10.21	12.27	1.05	21.26	10.71	3.00
30200	17.06	46.25	8.23	10.44	13.48	1.05	21.77	10.61	3.06
30400	16.99	46.45	8.25	10.73	14.03	1.06	21.04	10.55	3.02
30500	16.95	45.67	8.35	10.87	12.96	1.06	22.34	10.70	3.11
30600	16.93	46.77	8.35	10.94	14.82	1.06	22.61	10.86	3.10
30800	16.84	46.03	8.45	11.09	13.82	1.06	21.61	10.55	3.12
31000	16.76	46.09	8.55	11.18	14.17	1.06	21.29	10.70	3.15
32000	16.08	46.81	8.01	10.30	16.01	1.06	21.80	10.22	3.31

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 = 3.75V, Id = 60mA @ 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)
25000	20.20	47.98	10.75	8.83	11.68	0.94	21.96	10.13	2.31
25200	20.05	47.03	10.58	8.68	10.57	0.93	21.10	10.04	2.29
25400	19.92	47.60	10.32	8.46	11.32	0.93	20.91	10.10	2.34
25500	19.82	48.01	10.17	8.37	11.92	0.93	21.90	10.02	2.40
25600	19.72	47.75	9.97	8.31	11.63	0.93	21.99	10.10	2.32
25800	19.55	47.67	9.72	8.15	11.59	0.93	21.31	10.06	2.41
26000	19.37	48.10	9.54	8.04	12.31	0.93	20.58	10.01	2.42
26200	19.19	47.67	9.31	7.91	11.85	0.93	21.15	10.07	2.43
26400	19.02	48.30	9.09	7.83	12.83	0.93	21.12	10.13	2.50
26500	18.95	48.31	8.94	7.79	12.88	0.94	20.60	10.10	2.54
26600	18.83	46.37	8.83	7.76	10.38	0.94	21.20	9.91	2.48
26800	18.67	48.20	8.71	7.74	13.00	0.94	22.57	10.01	2.51
27000	18.52	47.54	8.46	7.67	12.11	0.94	21.61	10.21	2.57
27200	18.34	48.05	8.26	7.68	13.02	0.95	21.94	9.76	2.62
27400	18.20	47.99	8.16	7.66	13.07	0.95	20.17	10.14	2.61
27500	18.13	48.37	8.03	7.66	13.67	0.96	20.67	10.00	2.66
27600	18.07	47.15	8.09	7.68	12.01	0.96	21.22	9.91	2.70
27800	17.97	46.98	7.94	7.81	11.96	0.97	21.58	10.22	2.78
28000	17.82	46.91	7.84	7.91	12.01	0.98	22.38	10.19	2.78
28200	17.72	45.14	7.82	8.05	9.99	0.98	19.95	9.89	2.82
28400	17.63	46.05	7.76	8.16	11.21	0.99	20.67	10.15	2.77
28500	17.56	46.47	7.71	8.25	11.87	1.00	20.72	9.94	2.83
28600	17.52	45.80	7.70	8.34	11.06	1.00	20.88	10.06	2.91
28800	17.42	45.04	7.76	8.53	10.35	1.01	21.29	9.82	2.86
29000	17.35	46.67	7.81	8.76	12.74	1.02	20.48	9.85	2.90
29200	17.27	46.03	7.80	9.03	12.04	1.03	21.46	9.69	2.95
29400	17.20	45.87	7.76	9.28	12.02	1.04	21.61	9.91	2.95
29500	17.16	45.42	7.80	9.44	11.52	1.04	21.26	9.75	2.93
29600	17.13	45.30	7.85	9.57	11.49	1.04	21.39	9.78	2.98
29800	17.04	45.44	8.00	9.89	11.99	1.05	21.13	10.00	2.92
30000	16.96	46.38	7.97	10.18	13.61	1.05	20.09	10.15	2.99
30200	16.86	46.00	8.13	10.43	13.36	1.06	22.27	9.94	2.98
30400	16.78	45.39	8.17	10.72	12.66	1.06	21.98	10.11	3.07
30500	16.75	46.48	8.25	10.83	14.51	1.06	21.94	10.15	3.05
30600	16.72	46.32	8.26	10.92	14.36	1.06	20.86	10.30	3.06
30800	16.63	45.84	8.36	11.07	13.80	1.06	20.81	10.10	3.14
31000	16.55	46.88	8.44	11.12	15.81	1.06	20.55	10.13	3.10
32000	15.88	47.28	7.93	10.28	17.23	1.06	20.50	9.56	3.36

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 = 4.25V, Id = 69mA @ 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)
25000	20.53	48.09	10.79	8.66	11.34	0.93	22.24	11.17	2.27
25200	20.38	48.19	10.61	8.51	11.55	0.93	22.05	11.08	2.29
25400	20.25	48.41	10.36	8.31	11.91	0.92	21.65	11.15	2.34
25500	20.15	48.33	10.20	8.23	11.86	0.92	21.78	11.06	2.30
25600	20.05	48.08	9.99	8.14	11.55	0.92	22.54	11.04	2.34
25800	19.88	48.68	9.74	8.01	12.46	0.93	22.00	11.11	2.43
26000	19.71	48.71	9.57	7.90	12.66	0.92	20.98	11.06	2.44
26200	19.52	48.32	9.35	7.78	12.23	0.93	21.72	11.13	2.43
26400	19.35	48.27	9.12	7.72	12.27	0.93	22.20	11.19	2.54
26500	19.28	48.52	8.97	7.69	12.67	0.93	21.04	11.25	2.54
26600	19.17	47.39	8.86	7.66	11.19	0.93	23.06	10.97	2.55
26800	19.01	47.93	8.74	7.64	12.11	0.93	21.01	11.07	2.59
27000	18.85	47.80	8.51	7.60	11.98	0.94	22.78	11.26	2.61
27200	18.67	48.04	8.32	7.62	12.49	0.95	21.62	10.82	2.64
27400	18.53	47.43	8.22	7.58	11.77	0.95	20.83	11.22	2.69
27500	18.47	47.06	8.08	7.57	11.33	0.95	22.64	11.05	2.70
27600	18.41	47.08	8.16	7.61	11.45	0.95	21.25	10.97	2.70
27800	18.32	46.17	8.00	7.77	10.45	0.96	21.48	11.30	2.72
28000	18.17	45.80	7.88	7.83	10.11	0.97	22.39	11.26	2.91
28200	18.06	47.19	7.91	7.97	12.15	0.98	22.89	10.96	2.80
28400	17.97	46.98	7.87	8.12	12.05	0.99	22.41	11.22	2.81
28500	17.90	46.70	7.81	8.18	11.73	0.99	22.51	11.01	2.88
28600	17.87	46.47	7.83	8.30	11.54	1.00	22.38	11.12	2.88
28800	17.78	45.94	7.88	8.49	11.07	1.00	21.36	10.90	2.89
29000	17.70	46.56	7.95	8.71	12.14	1.01	20.95	10.91	2.90
29200	17.63	47.24	7.93	8.97	13.37	1.02	21.86	10.66	2.92
29400	17.55	45.24	7.91	9.24	10.78	1.03	22.47	11.08	2.89
29500	17.53	46.47	7.95	9.44	12.58	1.03	22.14	10.82	2.98
29600	17.49	46.45	8.00	9.55	12.68	1.04	21.20	10.84	2.96
29800	17.40	45.36	8.14	9.90	11.47	1.04	23.13	10.95	2.86
30000	17.32	46.93	8.13	10.21	14.01	1.05	21.13	11.21	2.93
30200	17.22	45.97	8.29	10.46	12.86	1.05	22.30	11.01	3.09
30400	17.15	45.43	8.33	10.79	12.29	1.06	21.37	11.08	3.09
30500	17.12	45.76	8.42	10.91	12.90	1.06	21.59	11.21	3.10
30600	17.09	45.71	8.43	10.99	12.93	1.06	21.17	11.37	3.09
30800	17.01	45.78	8.53	11.15	13.22	1.06	20.76	11.06	3.12
31000	16.93	47.55	8.61	11.18	16.49	1.06	21.34	11.20	2.96
32000	16.26	47.62	8.09	10.31	17.29	1.05	21.18	10.73	3.34