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 = 3V, Id = 58mA @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)
400	23.69	28.12	10.53	17.89	1.08	0.66	33.08	16.99	0.56
450	23.15	27.05	11.42	19.85	1.07	0.62	33.36	17.04	0.54
500	22.57	26.25	12.06	21.72	1.06	0.60	33.44	17.59	0.52
550	21.99	25.52	12.54	23.53	1.05	0.59	33.92	17.37	0.51
600	21.43	24.81	12.87	25.03	1.05	0.57	34.15	17.39	0.50
650	20.88	24.18	13.15	26.45	1.05	0.57	34.34	17.74	0.50
700	20.35	23.62	13.40	27.89	1.04	0.56	34.37	17.53	0.49
750	19.84	23.09	13.64	29.37	1.04	0.56	34.76	17.58	0.49
800	19.35	22.57	13.84	30.57	1.04	0.56	35.23	17.92	0.49
850	18.88	22.11	14.02	31.28	1.04	0.56	35.55	17.72	0.48
900	18.44	21.64	14.26	31.60	1.04	0.56	36.09	17.61	0.47
950	18.01	21.25	14.46	31.79	1.05	0.56	36.77	17.65	0.46
1000	17.60	20.83	14.66	31.67	1.05	0.56	36.61	17.37	0.46
1050	17.21	20.44	14.86	31.49	1.05	0.56	36.41	17.72	0.46
1100	16.84	20.06	15.13	30.92	1.05	0.55	36.94	17.37	0.47
1150	16.48	19.71	15.34	30.20	1.05	0.55	36.59	17.44	0.48
1200	16.14	19.35	15.60	29.60	1.05	0.55	36.63	18.05	0.50
1300	15.49	18.72	16.01	28.20	1.05	0.55	36.98	17.68	0.52
1400	14.88	18.12	16.53	27.25	1.05	0.55	37.92	17.83	0.54
1500	14.32	17.57	16.99	26.35	1.05	0.55	37.54	18.12	0.55
1600	13.79	17.05	17.47	25.86	1.05	0.55	38.01	17.69	0.54
1700	13.29	16.57	17.86	25.50	1.05	0.55	38.16	17.53	0.53
1800	12.81	16.11	18.31	25.28	1.06	0.55	38.60	17.83	0.53
1900	12.36	15.70	18.62	25.17	1.06	0.55	38.01	18.47	0.52
2000	11.95	15.29	18.79	25.05	1.06	0.55	38.09	18.01	0.52
2100	11.55	14.89	18.96	25.08	1.06	0.55	38.32	18.32	0.51
2200	11.17	14.53	18.94	25.40	1.06	0.56	38.03	18.41	0.51
2300	10.80	14.19	18.91	25.79	1.06	0.56	37.99	18.24	0.52
2400	10.43	13.87	18.96	25.88	1.06	0.56	37.77	18.03	0.53
2500	10.08	13.58	18.90	26.13	1.07	0.57	37.65	18.03	0.58
2600	9.73	13.30	19.01	25.95	1.07	0.58	39.04	18.49	0.65
2700	9.38	13.06	19.11	26.01	1.07	0.59	38.00	18.26	0.74
2800	9.05	12.82	19.41	25.33	1.08	0.60	39.15	18.49	0.79
2900	8.75	12.58	19.68	24.74	1.08	0.60	40.43	18.54	0.81
3000	8.48	12.33	19.95	23.63	1.08	0.60	40.23	18.60	0.79
3100	8.24	12.06	19.97	22.61	1.08	0.60	41.40	18.42	0.77
3200	8.01	11.79	19.93	21.67	1.07	0.59	41.98	18.31	0.76
3300	7.79	11.55	19.85	20.90	1.07	0.59	42.74	18.97	0.78
3400	7.56	11.33	19.68	20.11	1.07	0.59	42.87	19.11	0.80
3500	7.34	11.11	19.55	19.50	1.07	0.59	42.21	19.01	0.83

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 = 2.70V, Id = 50mA @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)
400	23.58	27.90	10.11	18.29	1.07	0.67	31.48	16.22	0.60
450	23.05	27.00	10.99	20.39	1.06	0.63	32.48	16.26	0.58
500	22.48	26.13	11.63	22.47	1.05	0.61	33.12	16.82	0.56
550	21.90	25.40	12.12	24.50	1.05	0.59	33.89	16.60	0.55
600	21.33	24.73	12.48	26.20	1.04	0.58	33.79	16.62	0.54
650	20.79	24.11	12.76	27.81	1.04	0.58	34.22	16.96	0.54
700	20.26	23.54	13.01	29.45	1.04	0.57	34.55	16.76	0.53
750	19.75	23.04	13.26	31.08	1.04	0.57	35.01	16.81	0.53
800	19.26	22.54	13.48	32.37	1.04	0.57	35.41	17.16	0.52
850	18.79	22.07	13.67	33.09	1.04	0.57	35.75	16.96	0.51
900	18.35	21.62	13.90	33.18	1.04	0.57	36.00	16.95	0.50
950	17.92	21.20	14.11	33.22	1.04	0.57	35.89	16.90	0.49
1000	17.52	20.80	14.32	32.95	1.05	0.57	36.37	16.64	0.48
1050	17.12	20.41	14.51	32.46	1.05	0.57	36.55	16.99	0.49
1100	16.75	20.04	14.78	31.65	1.05	0.57	36.66	16.72	0.51
1150	16.40	19.70	15.01	30.77	1.05	0.57	36.36	16.81	0.51
1200	16.05	19.36	15.24	30.07	1.05	0.57	36.45	17.40	0.51
1300	15.40	18.69	15.67	28.61	1.05	0.56	36.49	16.98	0.52
1400	14.80	18.12	16.17	27.51	1.05	0.56	36.46	17.11	0.55
1500	14.23	17.56	16.60	26.57	1.05	0.56	36.95	17.47	0.58
1600	13.71	17.04	17.07	26.10	1.05	0.56	37.09	17.09	0.59
1700	13.21	16.56	17.45	25.70	1.06	0.56	37.34	16.91	0.59
1800	12.73	16.11	17.89	25.57	1.06	0.56	36.66	17.20	0.59
1900	12.28	15.68	18.19	25.36	1.06	0.56	36.77	17.77	0.57
2000	11.87	15.25	18.37	25.23	1.06	0.56	36.85	17.40	0.56
2100	11.48	14.89	18.55	25.26	1.06	0.56	37.49	17.62	0.55
2200	11.09	14.52	18.54	25.55	1.06	0.56	37.49	17.71	0.55
2300	10.72	14.18	18.51	25.88	1.06	0.57	39.25	17.66	0.56
2400	10.36	13.86	18.57	25.93	1.06	0.57	38.88	17.44	0.56
2500	10.00	13.57	18.52	26.14	1.07	0.58	39.37	17.45	0.61
2600	9.65	13.31	18.60	25.95	1.07	0.59	38.27	17.90	0.67
2700	9.30	13.05	18.73	25.97	1.08	0.60	37.33	17.68	0.77
2800	8.98	12.81	19.01	25.30	1.08	0.60	40.20	17.88	0.81
2900	8.68	12.57	19.29	24.78	1.08	0.61	38.00	17.96	0.84
3000	8.41	12.31	19.54	23.69	1.08	0.61	40.05	17.92	0.82
3100	8.17	12.04	19.55	22.69	1.08	0.61	40.42	17.81	0.81
3200	7.95	11.79	19.53	21.66	1.08	0.60	40.70	17.72	0.83
3300	7.72	11.55	19.48	20.93	1.07	0.60	39.29	18.26	0.83
3400	7.50	11.31	19.31	20.14	1.07	0.60	38.98	18.38	0.86
3500	7.27	11.10	19.22	19.57	1.07	0.60	39.09	18.15	0.86

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 = 3.30V, Id = 65mA @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)
400	23.77	28.22	10.88	17.54	1.09	0.66	33.31	17.77	0.60
450	23.23	27.26	11.78	19.37	1.08	0.62	33.85	17.82	0.58
500	22.65	26.36	12.43	21.14	1.06	0.60	33.71	18.29	0.57
550	22.07	25.60	12.89	22.78	1.06	0.58	34.40	18.14	0.55
600	21.50	24.93	13.22	24.16	1.05	0.57	34.68	18.16	0.54
650	20.95	24.26	13.49	25.51	1.05	0.56	35.55	18.49	0.53
700	20.42	23.69	13.73	26.84	1.05	0.56	35.69	18.28	0.53
750	19.91	23.13	13.95	28.08	1.05	0.55	35.92	18.24	0.53
800	19.42	22.64	14.13	29.23	1.05	0.55	36.01	18.58	0.53
850	18.95	22.15	14.33	29.91	1.05	0.55	36.34	18.36	0.53
900	18.50	21.68	14.56	30.26	1.04	0.55	36.46	18.33	0.51
950	18.08	21.26	14.75	30.52	1.04	0.55	36.88	18.28	0.50
1000	17.67	20.84	14.97	30.57	1.05	0.55	37.28	17.99	0.50
1050	17.28	20.46	15.16	30.50	1.05	0.55	37.64	18.34	0.51
1100	16.90	20.09	15.42	30.06	1.05	0.55	37.11	17.98	0.53
1150	16.55	19.72	15.65	29.50	1.05	0.55	36.67	18.05	0.53
1200	16.20	19.39	15.90	28.99	1.05	0.55	36.13	18.66	0.55
1300	15.55	18.73	16.31	27.76	1.05	0.54	37.12	18.20	0.57
1400	14.95	18.15	16.83	26.89	1.05	0.54	37.38	18.42	0.59
1500	14.38	17.58	17.30	25.99	1.05	0.54	38.32	18.72	0.61
1600	13.86	17.07	17.80	25.56	1.05	0.54	37.72	18.28	0.61
1700	13.35	16.59	18.20	25.22	1.05	0.54	37.80	18.11	0.64
1800	12.87	16.12	18.65	25.05	1.05	0.54	37.49	18.41	0.64
1900	12.42	15.71	18.96	24.94	1.06	0.55	37.79	18.98	0.64
2000	12.01	15.29	19.14	24.84	1.06	0.55	38.07	18.59	0.64
2100	11.61	14.90	19.30	24.93	1.06	0.55	38.56	18.89	0.64
2200	11.23	14.54	19.28	25.21	1.06	0.55	38.21	19.00	0.65
2300	10.86	14.21	19.25	25.63	1.06	0.55	38.68	18.74	0.66
2400	10.49	13.88	19.31	25.77	1.06	0.56	37.96	18.51	0.67
2500	10.14	13.59	19.23	26.02	1.06	0.57	38.25	18.51	0.71
2600	9.78	13.32	19.32	25.92	1.07	0.57	39.46	19.06	0.78
2700	9.44	13.07	19.43	25.91	1.07	0.58	36.20	18.83	0.86
2800	9.11	12.83	19.73	25.25	1.08	0.59	36.82	19.05	0.92
2900	8.81	12.59	20.03	24.63	1.08	0.60	38.58	19.03	0.93
3000	8.54	12.33	20.30	23.55	1.08	0.60	39.88	19.08	0.93
3100	8.30	12.07	20.31	22.52	1.08	0.59	40.49	18.99	0.92
3200	8.07	11.80	20.25	21.58	1.07	0.59	41.60	18.88	0.93
3300	7.84	11.56	20.17	20.85	1.07	0.59	40.46	19.56	0.93
3400	7.62	11.34	19.95	20.04	1.07	0.59	40.38	19.71	0.95
3500	7.39	11.12	19.81	19.43	1.07	0.59	41.02	19.61	0.98