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 = 68.41mA @ 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)
50.0	21.90	23.74	15.86	15.79	0.97	0.38	35.79	18.29	3.22
100.0	21.56	24.47	19.36	19.04	1.03	0.50	34.00	18.51	3.65
200.0	21.45	24.40	21.37	19.96	1.04	0.50	33.98	18.79	3.62
300.0	21.39	24.39	22.00	19.49	1.04	0.50	33.72	18.75	3.60
400.0	21.36	24.40	22.53	18.98	1.04	0.50	33.61	18.56	3.78
500.0	21.31	24.44	22.99	18.29	1.05	0.51	34.19	18.78	3.67
600.0	21.27	24.40	23.54	17.68	1.05	0.50	33.64	18.63	3.61
700.0	21.22	24.40	24.05	17.01	1.05	0.50	33.81	18.71	3.64
800.0	21.14	24.41	25.14	16.44	1.06	0.51	33.43	18.57	3.65
900.0	21.12	24.30	26.70	15.82	1.05	0.49	33.20	18.59	3.70
1000.0	21.09	24.33	27.67	15.41	1.05	0.49	33.66	18.79	3.64
1100.0	21.03	24.32	28.42	15.05	1.05	0.49	32.25	18.45	3.62
1200.0	20.97	24.23	28.96	14.74	1.05	0.49	32.64	18.64	3.72
1300.0	20.91	24.19	28.64	14.54	1.05	0.49	32.88	18.69	3.75
1400.0	20.83	24.19	27.37	14.48	1.05	0.50	32.63	18.73	3.64
1500.0	20.77	24.12	25.83	14.43	1.05	0.50	32.36	18.67	3.67
1600.0	20.69	24.02	24.14	14.38	1.05	0.50	32.17	18.59	3.72
1700.0	20.61	23.97	22.50	14.40	1.05	0.50	31.89	18.44	3.71
1800.0	20.53	23.95	21.10	14.56	1.05	0.51	32.00	18.38	3.72
1900.0	20.42	23.85	19.80	14.75	1.05	0.52	31.33	18.09	3.65
2000.0	20.32	23.82	18.79	14.93	1.05	0.53	31.00	17.73	3.67
2200.0	20.11	23.78	16.92	15.35	1.05	0.56	30.47	17.55	3.63
2400.0	19.89	23.73	15.40	16.18	1.06	0.59	29.82	16.98	3.74
2600.0	19.68	23.67	14.29	16.96	1.06	0.62	29.23	16.60	3.71
2800.0	19.44	23.61	13.45	17.99	1.07	0.64	29.02	16.26	3.70
3000.0	19.21	23.59	12.91	19.09	1.08	0.67	29.11	16.37	3.75
3200.0	18.97	23.59	12.51	20.28	1.09	0.70	28.73	15.93	3.68
3400.0	18.73	23.57	12.42	22.13	1.10	0.72	28.52	15.75	3.71
3600.0	18.50	23.58	12.46	23.69	1.12	0.74	28.00	15.38	3.74
3800.0	18.25	23.62	12.75	25.73	1.14	0.77	27.83	15.14	3.75
4000.0	17.99	23.66	13.30	25.94	1.17	0.78	27.30	14.77	3.73
4500.0	17.30	23.85	15.40	21.95	1.25	0.81	27.11	14.51	3.76
5000.0	16.70	24.04	17.53	16.79	1.32	0.83	26.45	14.15	3.86
5500.0	16.22	24.09	16.73	13.28	1.34	0.82	25.61	13.58	3.82
6000.0	15.37	24.16	14.02	12.91	1.42	0.86	25.07	13.43	3.87
6500.0	14.51	24.15	11.03	13.40	1.49	0.93	24.30	12.83	4.14
7000.0	13.52	24.27	8.96	13.12	1.58	0.99	23.09	11.97	4.28
7500.0	12.31	24.44	7.57	11.53	1.70	1.02	21.89	10.91	4.67
8000.0	10.86	24.79	6.73	9.17	1.86	1.01	20.31	10.02	5.42

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 = 63.11mA @ 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)
50.0	22.08	25.77	15.68	16.26	1.03	0.61	34.93	18.09	2.57
100.0	21.73	24.65	18.77	19.34	1.03	0.51	33.45	17.87	2.87
200.0	21.63	24.56	20.70	20.07	1.04	0.50	33.63	18.27	2.93
300.0	21.58	24.68	21.21	19.63	1.04	0.52	33.32	18.16	2.85
400.0	21.55	24.61	21.41	19.10	1.04	0.51	33.15	17.94	2.89
500.0	21.52	24.56	21.63	18.25	1.04	0.50	33.77	18.21	2.93
600.0	21.48	24.54	22.29	17.52	1.04	0.50	33.29	18.05	2.90
700.0	21.44	24.53	22.86	16.82	1.05	0.49	33.52	18.15	2.92
800.0	21.35	24.59	23.50	16.31	1.05	0.50	33.11	17.99	2.93
900.0	21.34	24.48	24.88	15.61	1.05	0.49	32.92	18.04	2.95
1000.0	21.32	24.46	25.67	15.14	1.05	0.48	33.54	18.29	2.92
1100.0	21.27	24.41	26.89	14.72	1.04	0.48	32.17	17.92	2.88
1200.0	21.22	24.36	28.76	14.34	1.04	0.47	32.56	18.15	2.95
1300.0	21.17	24.31	30.69	14.08	1.04	0.47	32.92	18.19	2.97
1400.0	21.10	24.29	32.14	13.96	1.04	0.47	32.84	18.33	2.92
1500.0	21.05	24.19	32.88	13.92	1.04	0.47	32.63	18.33	2.94
1600.0	20.99	24.19	31.26	13.84	1.04	0.48	32.48	18.29	2.92
1700.0	20.92	24.08	28.62	13.79	1.04	0.48	32.15	18.21	3.01
1800.0	20.85	24.05	26.28	13.84	1.04	0.48	32.49	18.39	2.94
1900.0	20.76	23.98	24.01	13.97	1.04	0.49	32.09	18.28	2.85
2000.0	20.66	23.93	22.30	14.14	1.04	0.50	31.87	18.06	2.90
2200.0	20.48	23.89	20.07	14.48	1.04	0.53	31.41	18.04	2.84
2400.0	20.30	23.78	17.87	15.17	1.04	0.55	30.85	17.53	2.92
2600.0	20.13	23.76	16.30	15.85	1.04	0.57	30.16	17.21	2.95
2800.0	19.93	23.66	15.11	17.02	1.05	0.60	29.98	16.84	2.84
3000.0	19.74	23.60	14.31	18.00	1.05	0.62	30.12	17.13	2.85
3200.0	19.55	23.56	13.83	19.02	1.06	0.64	29.75	16.77	2.83
3400.0	19.34	23.54	13.55	20.55	1.07	0.67	29.63	16.61	2.84
3600.0	19.16	23.56	13.50	21.40	1.08	0.69	29.24	16.34	2.85
3800.0	18.95	23.51	13.83	22.26	1.09	0.70	29.13	16.19	2.84
4000.0	18.71	23.60	14.23	22.24	1.11	0.72	28.79	15.80	2.79
4500.0	18.05	23.77	16.81	18.64	1.18	0.76	28.58	15.61	2.85
5000.0	17.62	23.89	19.54	13.77	1.20	0.75	28.09	15.25	2.91
5500.0	17.27	23.87	17.78	10.92	1.19	0.72	27.44	14.69	2.94
6000.0	16.54	24.01	14.69	10.47	1.25	0.76	26.96	14.56	2.90
6500.0	15.87	23.88	11.35	10.40	1.26	0.81	26.36	14.01	3.15
7000.0	15.01	24.10	9.03	10.36	1.32	0.89	25.25	13.11	3.26
7500.0	13.90	24.29	7.54	9.32	1.39	0.92	24.36	12.06	3.52
8000.0	12.53	24.60	6.63	7.69	1.49	0.92	21.85	10.96	4.11

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 = 5V, Id = 70.53mA @ 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)
50.0	21.77	24.47	15.56	15.76	0.99	0.50	36.49	18.37	3.70
100.0	21.41	24.35	19.92	18.76	1.03	0.50	34.39	18.71	4.17
200.0	21.30	24.28	21.90	19.92	1.04	0.50	34.20	18.90	4.19
300.0	21.24	24.34	22.55	19.53	1.05	0.51	33.99	18.92	4.12
400.0	21.19	24.31	23.50	18.96	1.05	0.51	33.95	18.77	4.29
500.0	21.15	24.33	24.35	18.24	1.05	0.51	34.47	18.93	4.19
600.0	21.10	24.28	25.06	17.68	1.05	0.51	33.82	18.81	4.19
700.0	21.04	24.26	25.42	17.16	1.05	0.51	34.00	18.87	4.23
800.0	20.97	24.36	26.37	16.62	1.06	0.52	33.54	18.75	4.22
900.0	20.94	24.23	27.65	15.99	1.06	0.50	33.28	18.76	4.25
1000.0	20.89	24.26	28.09	15.61	1.06	0.51	33.68	18.94	4.20
1100.0	20.83	24.17	27.71	15.27	1.06	0.50	32.20	18.62	4.19
1200.0	20.76	24.10	26.61	15.03	1.06	0.50	32.56	18.77	4.25
1300.0	20.70	24.08	25.16	14.86	1.06	0.50	32.75	18.78	4.29
1400.0	20.62	24.00	23.66	14.81	1.06	0.50	32.34	18.77	4.20
1500.0	20.54	23.96	22.20	14.76	1.06	0.51	32.09	18.68	4.24
1600.0	20.45	23.95	20.77	14.75	1.06	0.52	31.88	18.52	4.24
1700.0	20.36	23.87	19.51	14.86	1.06	0.52	31.60	18.32	4.28
1800.0	20.26	23.79	18.46	15.00	1.06	0.53	31.45	18.14	4.29
1900.0	20.15	23.76	17.47	15.19	1.06	0.54	30.60	17.70	4.21
2000.0	20.03	23.73	16.56	15.42	1.06	0.56	30.12	17.25	4.26
2200.0	19.79	23.69	15.04	15.89	1.07	0.59	29.47	17.00	4.24
2400.0	19.53	23.63	13.81	16.57	1.07	0.62	28.78	16.40	4.34
2600.0	19.28	23.59	12.96	17.29	1.08	0.65	28.12	15.94	4.35
2800.0	19.01	23.61	12.32	18.10	1.09	0.68	27.84	15.61	4.36
3000.0	18.75	23.56	11.94	19.16	1.10	0.71	27.75	15.59	4.38
3200.0	18.46	23.60	11.65	20.20	1.12	0.74	27.27	15.09	4.38
3400.0	18.18	23.60	11.64	22.21	1.14	0.77	26.89	14.83	4.39
3600.0	17.92	23.62	11.69	23.67	1.16	0.79	26.23	14.43	4.47
3800.0	17.63	23.66	11.97	26.25	1.19	0.81	25.95	14.14	4.43
4000.0	17.34	23.70	12.45	29.22	1.22	0.83	25.43	13.76	4.44
4500.0	16.58	23.92	14.14	26.97	1.32	0.86	25.12	13.49	4.51
5000.0	15.88	24.08	15.69	20.01	1.42	0.88	24.51	13.11	4.59
5500.0	15.27	24.17	15.13	16.07	1.48	0.89	23.62	12.52	4.63
6000.0	14.32	24.29	13.09	15.70	1.60	0.93	23.22	12.41	4.65
6500.0	13.35	24.29	10.57	16.31	1.70	0.99	22.55	11.83	4.97
7000.0	12.27	24.43	8.73	16.17	1.84	1.04	21.49	11.03	5.16
7500.0	11.00	24.58	7.61	13.46	2.01	1.07	20.45	10.07	5.62
8000.0	9.54	24.80	6.85	10.40	2.22	1.05	19.49	9.36	6.48