

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 = 98.44 mA @ Temperature = +25degC

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
200	6.80	47.63	3.29	2.72	13.17	0.69	26.62	13.25	6.49
300	15.41	44.15	3.57	5.80	5.33	1.08	32.17	18.67	4.23
400	20.00	43.81	4.64	8.44	4.17	1.18	33.66	20.20	3.52
500	22.35	45.60	6.26	10.90	4.99	1.15	34.08	20.62	4.27
600	23.55	45.89	8.24	13.59	5.28	1.11	33.58	20.72	3.02
700	24.23	45.95	10.03	16.60	5.37	1.08	34.36	20.63	2.93
800	24.63	45.37	11.69	19.86	5.05	1.05	33.67	20.58	2.71
1000	25.08	44.26	14.22	28.77	4.43	1.03	33.11	20.57	2.61
1100	25.21	43.65	15.21	38.39	4.11	1.02	32.98	20.48	2.61
1200	25.31	42.76	16.09	38.52	3.70	1.01	32.15	20.28	2.61
1300	25.37	42.02	16.84	30.16	3.40	1.00	32.28	20.19	2.60
1400	25.40	41.49	17.44	26.45	3.21	0.99	32.25	20.13	2.56
1500	25.38	40.89	18.09	23.86	3.01	0.98	31.81	20.08	2.59
1600	25.44	40.28	17.67	21.84	2.79	0.98	31.65	19.97	2.68
1700	25.32	39.80	18.07	21.50	2.69	0.97	31.61	20.00	2.64
1800	25.19	39.30	18.29	20.98	2.58	0.97	31.35	19.73	2.65
1900	25.06	38.98	18.25	20.11	2.52	0.96	31.08	19.76	2.62
2000	24.89	38.50	18.14	19.16	2.44	0.96	31.07	19.76	2.61
2100	24.64	37.79	17.67	19.77	2.32	0.96	30.72	19.67	2.54
2200	24.41	37.49	17.55	19.27	2.30	0.96	30.42	19.33	2.62
2300	24.18	37.33	17.42	18.72	2.31	0.96	30.64	19.47	2.70
2400	23.82	36.78	16.58	19.40	2.26	0.96	30.47	19.44	2.78
2500	23.38	37.07	15.15	20.92	2.43	0.98	30.61	19.49	2.67
2600	23.21	36.88	15.69	18.96	2.42	0.97	30.28	19.44	2.75
2700	22.55	36.26	14.01	22.47	2.42	0.99	30.49	19.32	2.80
2800	22.23	35.93	13.70	21.33	2.41	0.99	30.41	19.36	2.91
2900	21.86	35.49	13.43	20.77	2.38	0.99	30.42	19.25	2.95
3000	21.12	36.30	12.19	25.83	2.79	1.02	30.50	19.22	2.87
3100	20.82	35.31	11.93	23.05	2.57	1.02	30.25	19.10	2.90
3200	20.28	35.45	11.04	23.95	2.73	1.04	29.97	18.98	2.89
3300	19.96	34.58	10.95	22.68	2.57	1.03	30.15	19.09	2.93
3400	19.19	35.59	10.24	28.81	3.07	1.07	30.41	19.01	3.00
3500	19.03	34.41	9.83	23.46	2.73	1.06	30.03	18.85	2.97
3600	18.55	34.40	9.62	23.80	2.85	1.07	30.01	18.77	2.99
3700	18.06	34.67	9.25	24.41	3.06	1.09	30.29	18.66	3.05
3800	17.47	35.38	8.78	26.02	3.48	1.11	30.36	18.65	3.20
3900	17.19	34.74	8.63	23.49	3.33	1.11	29.97	18.50	3.18
4000	16.82	34.73	8.18	22.36	3.41	1.12	29.51	18.30	3.20
4100	16.27	34.73	7.75	25.56	3.56	1.15	29.63	18.16	3.27
4200	16.03	33.97	7.72	23.36	3.35	1.14	29.82	17.95	3.30
4300	15.67	34.39	7.47	22.70	3.61	1.15	29.52	17.93	3.34
4400	15.26	34.35	6.95	22.84	3.66	1.18	29.37	17.74	3.40
4500	15.02	34.70	6.66	21.45	3.84	1.19	29.12	17.78	3.45
4600	14.71	33.86	6.64	19.46	3.62	1.18	28.94	17.80	3.54
4700	14.35	33.24	6.53	19.41	3.49	1.18	29.32	17.58	3.60
4800	14.03	34.20	5.98	20.10	3.88	1.22	29.10	17.49	3.66
4900	13.64	33.38	6.07	18.62	3.71	1.21	28.60	17.12	3.72
5000	13.47	33.76	5.67	17.90	3.82	1.23	28.42	16.92	3.76
5100	12.94	32.25	5.73	18.09	3.45	1.22	28.30	16.57	3.88
5200	12.58	33.37	5.57	17.68	4.00	1.23	28.47	16.50	3.94
5300	12.06	33.76	5.55	16.69	4.41	1.23	28.16	15.96	4.11
5400	11.72	33.68	5.39	15.79	4.46	1.24	27.70	15.66	4.17
5500	11.14	34.54	5.40	14.25	5.18	1.22	26.96	15.45	4.36



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 = 3.9V, Id =96.61 mA @ Temperature = +25degC

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
200	6.63	47.66	3.30	2.75	13.58	0.70	24.82	11.82	6.52
300	15.13	44.28	3.60	5.74	5.60	1.08	28.89	16.31	4.26
400	19.61	44.82	4.72	8.25	4.94	1.16	30.12	17.61	3.56
500	21.87	46.36	6.42	10.63	5.80	1.13	30.51	18.05	4.39
600	22.98	45.90	8.41	12.99	5.64	1.09	30.26	18.20	3.05
700	23.59	46.00	10.18	15.43	5.78	1.07	30.54	18.12	2.94
800	23.94	44.79	11.78	17.71	5.07	1.05	30.34	18.11	2.74
1000	24.31	43.47	14.14	21.56	4.37	1.02	30.48	18.41	2.63
1100	24.41	43.04	15.03	22.82	4.16	1.02	30.35	18.18	2.62
1200	24.47	41.61	15.73	23.48	3.55	1.01	29.92	17.94	2.63
1300	24.49	41.31	16.40	23.35	3.43	1.00	30.15	18.02	2.64
1400	24.49	40.60	16.98	22.70	3.19	0.99	30.30	18.13	2.59
1500	24.45	40.11	17.57	22.19	3.04	0.99	29.88	18.08	2.60
1600	24.48	39.49	17.08	20.42	2.82	0.98	29.92	18.00	2.74
1700	24.35	38.77	17.41	20.66	2.65	0.98	29.81	18.06	2.60
1800	24.21	38.34	17.68	20.60	2.57	0.97	29.85	18.15	2.67
1900	24.08	37.95	17.73	20.05	2.50	0.97	30.00	18.19	2.64
2000	23.91	37.35	17.59	19.62	2.39	0.96	29.79	18.14	2.64
2100	23.68	36.77	17.09	20.04	2.29	0.96	29.60	18.04	2.65
2200	23.47	36.56	16.95	20.05	2.29	0.96	29.63	18.02	2.71
2300	23.26	36.39	16.89	19.61	2.30	0.96	29.65	18.09	2.68
2400	22.93	35.91	16.18	20.40	2.26	0.97	29.70	18.15	2.72
2500	22.54	35.75	14.83	20.80	2.29	0.98	29.56	18.01	2.76
2600	22.39	35.80	15.14	19.53	2.34	0.98	29.48	17.87	2.79
2700	21.78	34.95	13.65	23.71	2.27	0.99	29.70	18.12	2.83
2800	21.50	34.78	13.39	23.06	2.29	1.00	29.62	18.03	2.79
2900	21.17	34.44	13.17	22.50	2.28	1.00	29.69	17.98	2.86
3000	20.49	35.11	11.99	27.99	2.61	1.03	29.71	17.80	2.87
3100	20.21	34.21	11.64	26.10	2.42	1.03	29.49	17.82	2.90
3200	19.72	34.09	10.81	27.58	2.49	1.05	29.53	17.85	2.88
3300	19.42	33.47	10.81	26.60	2.40	1.04	29.47	17.76	2.89
3400	18.72	34.30	10.23	28.85	2.80	1.07	29.74	17.81	2.98
3500	18.55	33.57	9.76	29.33	2.61	1.07	29.60	17.70	2.94
3600	18.11	33.15	9.48	28.90	2.60	1.08	29.35	17.63	2.96
3700	17.65	33.39	9.17	30.93	2.78	1.09	29.70	17.68	3.03
3800	17.09	33.95	8.82	40.18	3.10	1.11	29.57	17.62	3.17
3900	16.85	33.26	8.69	28.21	2.94	1.11	29.36	17.47	3.13
4000	16.49	33.29	8.28	25.64	3.02	1.12	28.99	17.20	3.18
4100	15.95	33.38	7.80	28.45	3.17	1.14	29.06	17.24	3.24
4200	15.73	32.77	7.77	24.92	3.04	1.14	29.22	17.12	3.30
4300	15.40	32.92	7.60	24.02	3.18	1.15	29.13	17.07	3.30
4400	15.01	32.93	7.14	22.90	3.24	1.17	28.62	16.76	3.40
4500	14.79	33.36	6.82	21.73	3.43	1.18	28.78	16.84	3.47
4600	14.49	32.31	6.74	19.00	3.13	1.17	28.66	16.93	3.51
4700	14.13	32.01	6.61	18.54	3.12	1.17	29.27	16.81	3.57
4800	13.83	32.52	6.11	19.34	3.32	1.21	28.75	16.58	3.65
4900	13.48	31.95	6.26	17.53	3.26	1.19	28.12	16.21	3.67
5000	13.31	32.09	5.83	16.97	3.27	1.21	27.95	15.96	3.76
5100	12.79	30.94	5.82	16.67	3.05	1.20	28.23	15.85	3.81
5200	12.46	31.75	5.63	16.56	3.40	1.22	28.24	15.80	3.90
5300	11.98	32.15	5.63	16.02	3.75	1.22	27.62	15.18	4.08
5400	11.65	32.08	5.54	15.26	3.81	1.21	26.97	14.84	4.14
5500	11.10	32.65	5.56	14.07	4.29	1.20	27.26	14.72	4.25



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 = 98.63 mA @ Temperature = +25degC

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
200	6.82	47.24	3.28	2.71	12.49	0.69	26.76	13.34	6.49
300	15.45	44.21	3.55	5.80	5.32	1.09	32.45	19.03	4.23
400	20.06	43.85	4.61	8.46	4.15	1.18	33.60	20.59	3.56
500	22.43	45.03	6.23	10.94	4.62	1.15	34.74	21.01	4.34
600	23.64	46.12	8.21	13.63	5.36	1.11	34.16	21.12	3.03
700	24.33	45.95	9.99	16.68	5.31	1.08	34.12	21.05	2.93
800	24.74	45.55	11.67	20.02	5.09	1.05	33.79	20.97	2.74
1000	25.20	44.13	14.24	28.89	4.30	1.02	33.35	20.89	2.64
1100	25.35	43.33	15.24	35.88	3.91	1.01	33.18	20.82	2.66
1200	25.45	42.79	16.07	33.78	3.66	1.00	32.91	20.62	2.64
1300	25.52	42.24	16.88	28.47	3.43	1.00	32.41	20.51	2.61
1400	25.55	41.51	17.59	25.50	3.16	0.99	32.43	20.41	2.59
1500	25.54	41.38	18.27	23.12	3.12	0.98	32.23	20.34	2.61
1600	25.61	40.52	17.76	21.44	2.81	0.98	31.82	20.22	2.78
1700	25.50	39.75	18.11	20.98	2.62	0.97	31.75	20.22	2.61
1800	25.36	39.26	18.41	20.46	2.52	0.96	31.32	19.90	2.71
1900	25.23	38.96	18.51	19.68	2.48	0.96	31.21	19.94	2.63
2000	25.05	38.69	18.31	18.84	2.44	0.96	30.99	19.95	2.62
2100	24.81	38.04	17.76	19.39	2.34	0.96	30.80	19.84	2.64
2200	24.57	37.63	17.67	18.80	2.30	0.95	30.60	19.46	2.75
2300	24.34	37.52	17.60	18.31	2.32	0.95	30.56	19.62	2.67
2400	23.97	37.06	16.81	18.97	2.29	0.96	30.56	19.56	2.76
2500	23.52	37.41	15.26	20.60	2.48	0.98	30.58	19.66	2.78
2600	23.34	37.29	15.71	18.61	2.50	0.97	30.42	19.65	2.82
2700	22.67	36.48	14.06	21.93	2.45	0.99	30.57	19.45	2.89
2800	22.35	36.18	13.81	20.79	2.45	0.99	30.38	19.50	2.79
2900	21.97	35.68	13.58	20.38	2.41	0.99	30.51	19.41	2.81
3000	21.22	36.57	12.24	24.97	2.84	1.02	30.36	19.40	2.83
3100	20.91	35.53	11.92	22.53	2.61	1.02	30.23	19.26	2.89
3200	20.37	35.46	11.01	23.28	2.71	1.04	30.07	19.10	2.88
3300	20.04	34.80	11.01	22.14	2.61	1.03	30.27	19.25	2.89
3400	19.27	35.85	10.31	27.89	3.14	1.07	30.55	19.17	2.94
3500	19.09	34.81	9.85	22.83	2.83	1.06	30.14	18.98	2.92
3600	18.61	34.46	9.54	23.19	2.85	1.07	29.97	18.91	2.96
3700	18.12	34.89	9.17	23.75	3.11	1.09	30.25	18.77	3.01
3800	17.53	35.66	8.75	25.28	3.56	1.11	30.29	18.77	3.15
3900	17.25	34.93	8.63	23.03	3.38	1.11	29.86	18.65	3.14
4000	16.86	34.64	8.17	21.90	3.36	1.12	29.43	18.47	3.16
4100	16.30	35.07	7.66	24.87	3.66	1.15	29.47	18.31	3.21
4200	16.06	34.26	7.63	23.03	3.44	1.14	29.71	18.06	3.28
4300	15.71	34.64	7.43	22.35	3.69	1.15	29.51	18.05	3.28
4400	15.29	34.68	6.95	22.55	3.78	1.18	29.21	17.85	3.36
4500	15.06	34.95	6.63	21.16	3.93	1.19	28.93	17.87	3.42
4600	14.73	34.01	6.56	19.35	3.65	1.18	28.77	17.93	3.47
4700	14.36	33.57	6.41	19.36	3.59	1.19	29.23	17.67	3.54
4800	14.04	34.44	5.92	20.02	3.95	1.23	29.07	17.56	3.61
4900	13.67	33.50	6.06	18.54	3.75	1.21	28.44	17.24	3.67
5000	13.49	34.01	5.65	17.87	3.92	1.23	28.25	17.07	3.72
5100	12.94	32.46	5.64	18.12	3.50	1.23	28.27	16.69	3.82
5200	12.58	33.53	5.46	17.74	4.03	1.24	28.44	16.62	3.91
5300	12.07	33.92	5.46	16.62	4.44	1.24	28.03	16.09	3.99
5400	11.73	34.12	5.37	15.71	4.66	1.24	27.48	15.79	4.12
5500	11.16	34.87	5.39	14.18	5.35	1.22	27.00	15.52	4.28

