

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 = 3.9V, Id = 74.76 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)
400	14.00	45.65	3.19	9.61	8.65	1.33	27.25	16.03	5.39
500	15.41	49.95	5.29	13.13	17.76	1.24	27.98	16.84	5.48
600	16.10	50.16	7.33	15.89	19.98	1.16	27.95	16.97	4.86
700	16.49	48.49	9.23	17.74	17.20	1.10	28.17	16.98	4.67
800	16.74	46.14	11.04	18.50	13.40	1.06	28.08	16.99	4.53
1000	17.02	44.07	14.44	18.42	10.70	1.02	27.92	17.07	4.46
1100	17.10	42.78	16.18	17.95	9.24	1.01	28.16	17.02	4.48
1200	17.16	41.94	17.91	17.46	8.38	1.00	28.14	17.02	4.50
1300	17.21	40.90	19.74	17.15	7.45	0.99	27.98	17.00	4.49
1400	17.25	39.97	21.45	16.62	6.67	0.98	27.74	16.81	4.41
1500	17.25	39.44	23.55	16.22	6.28	0.98	27.86	16.85	4.41
1600	17.25	38.80	25.65	15.86	5.84	0.97	27.63	16.79	4.47
1700	17.23	38.49	28.27	15.69	5.66	0.97	27.53	16.63	4.42
1800	17.20	38.22	31.99	15.45	5.50	0.96	27.26	16.56	4.52
1900	17.15	37.29	33.04	15.05	4.97	0.96	27.24	16.38	4.42
2000	17.08	36.97	36.46	14.93	4.82	0.96	27.23	16.46	4.49
2100	16.97	36.70	37.80	14.67	4.73	0.96	27.06	16.30	4.42
2200	16.89	36.72	38.37	14.52	4.78	0.95	27.07	16.32	4.45
2300	16.75	36.19	38.90	14.33	4.57	0.95	26.85	16.08	4.46
2400	16.60	35.84	38.16	14.39	4.46	0.95	26.71	15.97	4.53
2500	16.47	35.65	40.22	14.19	4.43	0.95	26.61	15.83	4.48
2600	16.23	35.61	38.50	14.12	4.53	0.95	26.47	15.70	4.48
2700	16.08	34.84	37.20	14.28	4.23	0.95	26.43	15.81	4.52
2800	15.77	35.44	31.78	14.34	4.68	0.95	26.26	15.47	4.53
2900	15.54	35.15	29.12	14.39	4.65	0.95	26.02	15.39	4.55
3000	15.26	34.71	25.90	14.96	4.58	0.96	25.98	15.08	4.59
3100	14.99	34.45	23.70	14.85	4.57	0.96	26.03	15.24	4.59
3200	14.67	34.73	21.66	14.65	4.87	0.96	25.42	14.86	4.58
3300	14.40	34.22	19.92	15.27	4.74	0.97	25.13	14.85	4.60
3400	14.10	34.03	18.62	15.20	4.79	0.97	25.24	14.67	4.65
3500	13.76	34.03	17.10	15.33	4.95	0.98	25.23	14.43	4.73
3600	13.36	34.26	15.78	15.17	5.28	0.99	25.00	14.38	4.81
3700	13.08	33.67	14.56	15.46	5.07	1.00	24.84	14.15	4.85
3800	12.76	33.20	13.91	15.26	4.95	1.00	24.72	14.00	4.88
3900	12.29	33.65	12.66	15.18	5.41	1.01	24.49	13.81	4.99
4000	12.03	33.70	11.87	15.46	5.55	1.03	24.52	13.77	5.02
4100	11.55	33.61	11.03	15.16	5.71	1.04	24.43	13.55	5.14
4200	11.14	33.90	10.08	15.01	6.06	1.06	24.20	13.28	5.29
4300	10.87	32.50	9.69	14.33	5.25	1.06	24.02	13.13	5.34
4400	10.60	33.71	8.96	14.92	6.10	1.08	24.06	12.95	5.42
4500	10.24	32.74	8.59	14.28	5.60	1.09	23.82	12.81	5.51
4600	9.90	32.15	8.17	13.84	5.34	1.09	23.82	12.83	5.61
4700	9.51	32.18	7.57	13.68	5.46	1.11	23.42	12.60	5.78
4800	9.18	33.24	7.21	13.78	6.28	1.13	23.38	12.42	5.85
4900	8.85	32.32	6.83	13.32	5.74	1.14	23.19	12.29	6.00
5000	8.52	33.14	6.53	13.49	6.43	1.16	23.21	12.23	6.12
5100	8.10	33.20	6.20	13.37	6.62	1.17	22.98	12.10	6.32
5200	7.77	32.33	5.96	13.21	6.12	1.18	22.82	11.79	6.46
5300	7.39	32.54	5.69	13.21	6.41	1.20	22.53	11.44	6.65
5400	6.85	32.55	5.55	13.38	6.77	1.21	22.57	11.25	6.93
5500	6.31	32.81	5.35	13.71	7.30	1.22	21.94	10.99	7.10



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 = 2.8V, Id = 71.01 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)			(dBm)	(dBm)	(dB)
400	12.93	47.94	3.36	9.69	13.37	1.31	21.59	9.98	5.48
500	14.17	51.04	5.48	12.20	23.40	1.21	22.63	10.98	5.63
600	14.75	49.40	7.53	13.22	21.11	1.12	22.82	11.23	4.95
700	15.06	47.55	9.41	13.41	17.74	1.07	23.23	11.37	4.76
800	15.24	44.59	11.16	13.22	12.87	1.03	23.28	11.48	4.59
1000	15.42	42.40	14.41	12.74	10.17	0.98	23.33	11.80	4.56
1100	15.46	41.47	16.01	12.48	9.18	0.97	23.63	11.78	4.59
1200	15.49	40.62	17.57	12.26	8.35	0.96	23.63	11.83	4.61
1300	15.49	39.79	19.18	12.14	7.62	0.95	23.58	11.82	4.56
1400	15.49	39.00	20.64	11.92	6.96	0.94	23.48	11.75	4.47
1500	15.47	38.55	22.33	11.78	6.64	0.94	23.54	11.86	4.47
1600	15.43	37.93	23.98	11.65	6.21	0.93	23.45	11.81	4.53
1700	15.38	37.37	25.75	11.62	5.87	0.93	23.46	11.84	4.49
1800	15.32	37.17	27.85	11.58	5.78	0.93	23.31	11.86	4.65
1900	15.25	36.37	28.91	11.41	5.31	0.92	23.42	11.82	4.50
2000	15.17	36.08	30.73	11.43	5.19	0.92	23.47	11.96	4.60
2100	15.05	35.54	32.10	11.34	4.94	0.92	23.34	11.93	4.52
2200	14.95	35.70	34.45	11.34	5.09	0.92	23.33	11.87	4.56
2300	14.81	35.35	34.09	11.27	4.97	0.92	23.27	11.91	4.60
2400	14.66	34.77	34.45	11.36	4.74	0.92	23.19	11.89	4.46
2500	14.53	34.63	33.88	11.33	4.73	0.92	23.23	12.05	4.59
2600	14.32	34.59	31.51	11.31	4.82	0.92	23.26	11.96	4.57
2700	14.17	33.63	31.62	11.46	4.41	0.92	23.18	12.11	4.62
2800	13.90	34.27	27.60	11.52	4.88	0.92	23.07	11.93	4.63
2900	13.69	33.92	25.78	11.58	4.81	0.92	22.96	11.98	4.70
3000	13.44	33.44	23.64	11.95	4.70	0.93	23.00	11.91	4.69
3100	13.20	33.12	22.06	11.90	4.64	0.93	23.06	12.05	4.71
3200	12.92	33.40	20.29	11.80	4.93	0.94	22.52	11.86	4.71
3300	12.68	32.88	18.95	12.16	4.78	0.94	22.28	11.94	4.73
3400	12.40	32.58	17.73	12.17	4.75	0.95	22.45	11.91	4.75
3500	12.10	32.59	16.48	12.23	4.89	0.95	22.55	11.78	4.85
3600	11.73	32.93	15.30	12.16	5.26	0.96	22.28	11.73	4.91
3700	11.48	32.45	14.17	12.30	5.09	0.97	22.18	11.65	4.99
3800	11.19	32.10	13.55	12.20	5.02	0.97	22.01	11.69	5.05
3900	10.76	32.39	12.41	12.17	5.38	0.99	21.90	11.42	5.12
4000	10.52	32.37	11.66	12.33	5.46	1.00	21.93	11.44	5.19
4100	10.10	32.37	10.89	12.19	5.65	1.01	21.94	11.26	5.28
4200	9.71	32.42	9.98	12.06	5.82	1.02	21.73	11.06	5.40
4300	9.45	31.21	9.58	11.57	5.13	1.02	21.57	10.93	5.48
4400	9.20	32.14	8.91	11.89	5.77	1.05	21.63	10.86	5.56
4500	8.86	31.41	8.53	11.49	5.42	1.05	21.40	10.79	5.60
4600	8.55	30.85	8.12	11.17	5.17	1.05	21.39	10.60	5.71
4700	8.18	30.89	7.54	11.07	5.28	1.07	21.00	10.39	5.91
4800	7.88	31.89	7.17	11.13	6.01	1.09	21.04	10.33	5.98
4900	7.56	31.00	6.82	10.77	5.50	1.09	20.82	10.39	6.14
5000	7.25	31.67	6.53	10.91	6.06	1.11	20.91	10.24	6.23
5100	6.87	31.68	6.21	10.80	6.19	1.12	20.62	10.12	6.43
5200	6.56	30.75	5.96	10.67	5.67	1.13	20.47	9.80	6.62
5300	6.20	30.79	5.69	10.70	5.82	1.14	20.20	9.62	6.70
5400	5.67	31.11	5.56	10.86	6.36	1.16	20.31	9.50	7.09
5500	5.15	31.30	5.37	11.18	6.81	1.18	19.51	9.22	7.25

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 = 5V, Id = 76.11 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)			(dBm)	(dBm)	(dB)
400	14.44	44.40	3.11	9.30	6.88	1.33	29.87	17.91	5.37
500	15.95	48.39	5.20	13.00	13.76	1.24	30.92	18.74	5.42
600	16.72	50.02	7.25	16.56	18.30	1.16	31.20	19.03	4.85
700	17.16	50.00	9.17	20.22	19.07	1.11	31.22	19.05	4.66
800	17.46	47.17	10.99	23.82	14.02	1.08	31.29	19.05	4.54
1000	17.81	45.37	14.50	27.56	11.50	1.03	30.84	18.89	4.44
1100	17.92	43.54	16.32	26.14	9.32	1.02	30.81	18.78	4.49
1200	18.02	42.60	18.15	24.19	8.34	1.01	30.97	18.82	4.48
1300	18.09	41.87	20.10	23.00	7.64	1.00	30.64	18.65	4.49
1400	18.16	40.79	21.94	21.54	6.72	0.99	30.10	18.36	4.40
1500	18.19	40.11	24.19	20.37	6.19	0.99	30.12	18.34	4.38
1600	18.21	39.61	26.28	19.50	5.84	0.98	30.05	18.34	4.43
1700	18.22	39.52	28.87	18.83	5.76	0.98	29.59	18.00	4.40
1800	18.20	38.98	31.75	18.20	5.43	0.98	29.49	17.95	4.48
1900	18.17	38.16	31.93	17.61	4.95	0.97	29.28	17.63	4.42
2000	18.12	37.77	32.48	17.12	4.76	0.97	29.08	17.62	4.46
2100	18.01	37.45	32.14	16.75	4.63	0.97	28.80	17.52	4.44
2200	17.94	37.42	30.90	16.28	4.64	0.97	28.84	17.53	4.43
2300	17.80	37.29	32.21	16.06	4.65	0.97	28.55	17.22	4.44
2400	17.64	36.61	32.55	16.06	4.38	0.96	28.34	17.15	4.43
2500	17.50	36.54	34.42	15.68	4.41	0.96	27.98	16.85	4.52
2600	17.24	36.72	38.63	15.76	4.63	0.96	28.04	16.80	4.45
2700	17.07	35.65	37.72	15.81	4.19	0.96	28.00	16.85	4.49
2800	16.74	36.56	35.52	16.03	4.83	0.97	27.73	16.50	4.46
2900	16.48	36.11	31.39	16.13	4.72	0.97	27.47	16.39	4.53
3000	16.18	35.90	27.17	16.73	4.79	0.97	27.37	16.09	4.58
3100	15.87	35.47	24.32	16.77	4.71	0.97	27.40	16.12	4.57
3200	15.52	36.03	21.75	16.57	5.20	0.98	26.82	15.74	4.59
3300	15.22	35.27	19.92	17.42	4.94	0.98	26.55	15.82	4.58
3400	14.88	35.05	18.48	17.33	4.98	0.99	26.59	15.57	4.61
3500	14.51	35.05	16.85	17.66	5.17	0.99	26.46	15.31	4.68
3600	14.08	35.15	15.48	17.49	5.45	1.00	26.34	15.22	4.74
3700	13.76	34.83	14.21	17.91	5.40	1.01	26.12	15.07	4.80
3800	13.43	34.27	13.53	17.67	5.23	1.02	26.11	14.91	4.86
3900	12.92	34.89	12.28	17.79	5.86	1.03	25.76	14.57	4.92
4000	12.64	34.61	11.53	18.06	5.80	1.04	25.83	14.50	4.99
4100	12.13	34.58	10.68	17.69	6.02	1.06	25.74	14.31	5.12
4200	11.68	34.83	9.75	17.49	6.37	1.08	25.45	14.08	5.21
4300	11.39	33.44	9.36	16.64	5.54	1.08	25.33	13.93	5.29
4400	11.08	34.95	8.63	17.49	6.68	1.11	25.18	13.79	5.38
4500	10.70	33.85	8.26	16.61	6.05	1.11	25.02	13.67	5.49
4600	10.34	33.38	7.84	16.15	5.86	1.13	25.08	13.60	5.56
4700	9.93	33.31	7.25	15.96	5.93	1.15	24.67	13.42	5.72
4800	9.58	34.30	6.93	16.04	6.78	1.16	24.59	13.17	5.81
4900	9.22	33.57	6.56	15.50	6.34	1.18	24.42	13.17	5.97
5000	8.87	34.49	6.27	15.66	7.20	1.19	24.33	12.89	6.12
5100	8.42	34.30	5.95	15.58	7.23	1.21	24.13	12.89	6.31
5200	8.07	33.51	5.72	15.37	6.75	1.22	23.98	12.48	6.50
5300	7.68	33.75	5.45	15.29	7.08	1.24	23.72	12.31	6.66
5400	7.13	33.61	5.31	15.45	7.34	1.25	23.60	11.93	6.84
5500	6.59	33.98	5.12	15.78	8.00	1.26	23.22	11.80	7.11