

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 = 5.00V, Id = 101.96mA @ Temperature = +25°C

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)
20	15.33	24.16	31.60	16.22	1.53	0.84	39.00	19.65	6.75
50	15.33	24.16	31.63	16.22	1.53	0.84	40.06	20.28	6.59
80	15.32	24.18	31.48	16.22	1.54	0.84	40.13	20.21	6.56
100	15.31	24.18	31.38	16.23	1.54	0.84	40.95	20.05	6.54
200	15.27	24.19	30.90	16.17	1.54	0.85	41.17	20.25	6.52
300	15.24	24.18	30.67	16.12	1.55	0.85	40.53	20.30	6.58
400	15.20	24.17	30.35	16.07	1.55	0.85	40.25	20.27	6.56
500	15.16	24.15	29.74	15.96	1.55	0.85	40.21	20.41	6.51
600	15.12	24.12	28.97	15.84	1.55	0.85	41.35	20.30	6.53
700	15.07	24.08	27.94	15.65	1.55	0.85	40.39	20.27	6.56
800	15.02	24.05	26.99	15.43	1.54	0.85	40.42	20.24	6.58
900	14.96	24.00	25.89	15.16	1.54	0.85	40.20	20.15	6.65
1000	14.90	23.95	24.79	14.89	1.53	0.85	40.49	20.35	6.65
1200	14.77	23.85	22.86	14.24	1.52	0.85	38.99	20.26	6.75
1400	14.61	23.73	21.18	13.57	1.51	0.85	38.08	20.19	6.80
1600	14.45	23.60	19.73	12.95	1.50	0.85	38.07	20.24	6.83
1800	14.27	23.48	18.53	12.35	1.49	0.85	37.80	20.16	6.84
2000	14.09	23.33	17.48	11.81	1.47	0.86	37.87	20.31	6.83
2200	13.91	23.20	16.63	11.36	1.45	0.86	37.48	20.37	6.84
2400	13.74	23.04	15.92	11.01	1.43	0.86	36.89	20.12	6.82
2600	13.55	22.89	15.41	10.75	1.43	0.86	36.86	20.04	6.85
2800	13.38	22.71	14.94	10.54	1.41	0.86	36.12	19.91	6.90
3000	13.20	22.56	14.56	10.43	1.40	0.86	36.32	20.00	6.92
3200	13.01	22.41	14.28	10.29	1.40	0.86	35.40	20.13	6.97
3400	12.81	22.25	13.93	10.15	1.40	0.86	35.11	19.93	6.98
3600	12.60	22.12	13.60	10.03	1.40	0.87	34.91	19.87	6.99
3800	12.38	22.00	13.24	9.88	1.40	0.87	34.32	19.56	7.10
4000	12.12	21.90	12.81	9.61	1.41	0.87	34.61	19.73	7.07
4200	11.85	21.82	12.38	9.29	1.42	0.86	34.25	19.65	7.08
4400	11.54	21.78	11.85	8.95	1.43	0.86	34.09	19.39	7.18
4600	11.25	21.73	11.41	8.64	1.44	0.86	33.71	19.21	7.26
4800	10.93	21.71	10.98	8.33	1.46	0.86	33.63	18.98	7.25
5000	10.61	21.67	10.61	8.05	1.47	0.86	32.60	18.44	7.37
5200	10.26	21.66	10.20	7.80	1.49	0.86	33.13	18.50	7.42
5400	9.93	21.65	9.85	7.60	1.51	0.87	33.44	18.48	7.48
5600	9.57	21.61	9.57	7.46	1.53	0.87	32.75	18.36	7.56
5800	9.27	21.61	9.24	7.28	1.55	0.87	32.52	18.19	7.62
6000	8.93	21.62	9.07	7.30	1.60	0.88	32.12	17.93	7.68
6200	8.63	21.62	8.82	7.15	1.63	0.88	32.15	17.77	7.73
6400	8.28	21.61	8.57	7.03	1.66	0.89	32.16	17.74	7.81
6600	7.93	21.61	8.37	7.02	1.71	0.89	31.94	17.64	7.90
6800	7.58	21.67	8.10	6.83	1.75	0.89	31.61	17.40	8.02
7000	7.14	21.79	7.89	6.72	1.83	0.90	31.60	17.14	8.16

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 = 4.75V, Id = 92.82mA @ Temperature = +25°C

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)
20	15.29	24.10	30.36	16.01	1.53	0.84	49.65	18.86	6.63
50	15.28	24.10	30.29	16.01	1.53	0.84	39.11	19.45	6.45
80	15.27	24.11	30.31	16.02	1.53	0.84	38.86	19.39	6.44
100	15.26	24.12	30.14	16.03	1.53	0.84	39.58	19.25	6.42
200	15.23	24.13	29.79	15.97	1.54	0.84	39.07	19.42	6.42
300	15.19	24.12	29.68	15.93	1.54	0.84	39.53	19.47	6.40
400	15.15	24.11	29.51	15.88	1.55	0.85	38.67	19.44	6.44
500	15.12	24.08	29.02	15.78	1.54	0.85	38.57	19.56	6.41
600	15.07	24.06	28.39	15.66	1.54	0.85	39.20	19.45	6.43
700	15.03	24.01	27.51	15.47	1.54	0.85	38.96	19.43	6.51
800	14.98	23.97	26.62	15.26	1.54	0.85	38.78	19.40	6.48
900	14.92	23.93	25.65	14.99	1.53	0.85	38.71	19.32	6.57
1000	14.86	23.88	24.65	14.72	1.53	0.85	38.50	19.48	6.55
1200	14.72	23.77	22.75	14.09	1.52	0.85	37.71	19.42	6.60
1400	14.56	23.64	21.10	13.45	1.51	0.85	37.41	19.36	6.70
1600	14.40	23.52	19.68	12.82	1.49	0.85	37.15	19.40	6.70
1800	14.22	23.39	18.46	12.24	1.48	0.85	37.32	19.33	6.73
2000	14.04	23.24	17.43	11.71	1.46	0.85	37.45	19.44	6.72
2200	13.85	23.09	16.57	11.26	1.44	0.85	36.80	19.50	6.74
2400	13.69	22.94	15.85	10.92	1.42	0.86	35.83	19.32	6.72
2600	13.49	22.79	15.36	10.66	1.42	0.86	35.90	19.24	6.74
2800	13.32	22.61	14.87	10.46	1.40	0.86	35.03	19.15	6.78
3000	13.14	22.45	14.51	10.35	1.39	0.86	35.47	19.21	6.80
3200	12.94	22.29	14.24	10.22	1.39	0.86	34.84	19.33	6.84
3400	12.74	22.14	13.88	10.07	1.39	0.86	34.40	19.18	6.87
3600	12.54	22.01	13.58	9.96	1.39	0.86	34.21	19.14	6.89
3800	12.31	21.88	13.21	9.81	1.40	0.86	33.84	18.87	6.96
4000	12.05	21.79	12.80	9.55	1.40	0.86	33.86	19.02	6.96
4200	11.78	21.71	12.37	9.24	1.41	0.86	33.72	18.96	6.95
4400	11.46	21.66	11.85	8.90	1.42	0.86	33.53	18.74	7.05
4600	11.17	21.62	11.40	8.60	1.44	0.86	33.05	18.58	7.15
4800	10.86	21.60	10.98	8.29	1.45	0.86	33.04	18.37	7.14
5000	10.53	21.56	10.61	8.01	1.46	0.86	32.04	17.83	7.26
5200	10.18	21.55	10.19	7.76	1.48	0.86	32.49	17.93	7.32
5400	9.85	21.54	9.85	7.56	1.50	0.87	32.84	17.91	7.34
5600	9.49	21.51	9.57	7.42	1.53	0.87	32.35	17.84	7.40
5800	9.19	21.50	9.25	7.25	1.55	0.87	31.95	17.64	7.42
6000	8.85	21.52	9.07	7.28	1.60	0.88	31.49	17.42	7.55
6200	8.55	21.52	8.84	7.12	1.63	0.88	31.62	17.29	7.60
6400	8.20	21.51	8.57	7.01	1.66	0.89	31.81	17.28	7.65
6600	7.85	21.53	8.38	6.97	1.71	0.89	31.30	17.18	7.78
6800	7.50	21.59	8.12	6.83	1.75	0.89	31.16	16.96	7.86
7000	7.06	21.69	7.91	6.72	1.83	0.90	31.06	16.73	7.96

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 = 111.34mA @ Temperature = +25°C

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)
20	15.37	24.21	32.58	16.40	1.54	0.84	39.70	20.34	6.89
50	15.37	24.22	32.71	16.41	1.54	0.84	41.07	21.02	6.72
80	15.36	24.23	32.60	16.42	1.54	0.85	40.34	20.94	6.68
100	15.35	24.23	32.52	16.42	1.54	0.85	45.05	20.78	6.68
200	15.31	24.24	31.93	16.35	1.55	0.85	40.90	21.00	6.66
300	15.28	24.24	31.63	16.30	1.55	0.85	42.84	21.04	6.69
400	15.23	24.23	31.13	16.25	1.55	0.85	41.67	21.01	6.66
500	15.20	24.20	30.40	16.14	1.55	0.85	41.56	21.17	6.62
600	15.15	24.18	29.42	16.00	1.55	0.85	42.94	21.03	6.67
700	15.11	24.14	28.25	15.81	1.55	0.85	41.96	21.01	6.74
800	15.06	24.10	27.14	15.58	1.55	0.85	41.06	20.98	6.70
900	15.00	24.06	26.04	15.30	1.54	0.85	40.24	20.87	6.78
1000	14.94	24.01	24.95	15.02	1.54	0.85	40.70	21.10	6.79
1200	14.81	23.91	22.92	14.36	1.53	0.85	39.55	21.01	6.83
1400	14.65	23.79	21.25	13.70	1.52	0.85	39.27	20.93	6.90
1600	14.50	23.67	19.77	13.05	1.50	0.86	38.88	20.98	6.96
1800	14.32	23.55	18.53	12.45	1.49	0.86	38.19	20.91	6.95
2000	14.14	23.41	17.51	11.89	1.47	0.86	38.43	21.09	6.93
2200	13.96	23.27	16.64	11.44	1.46	0.86	38.18	21.15	6.98
2400	13.80	23.12	15.94	11.09	1.44	0.86	37.03	20.85	6.95
2600	13.61	22.98	15.44	10.82	1.43	0.86	36.84	20.77	6.99
2800	13.44	22.80	14.96	10.60	1.42	0.86	35.97	20.58	7.01
3000	13.26	22.65	14.58	10.49	1.41	0.86	36.57	20.70	7.03
3200	13.07	22.49	14.30	10.35	1.41	0.86	35.80	20.77	7.03
3400	12.87	22.33	13.94	10.20	1.40	0.87	35.57	20.56	7.11
3600	12.67	22.21	13.60	10.08	1.40	0.87	35.15	20.49	7.14
3800	12.44	22.08	13.23	9.93	1.41	0.87	34.78	20.15	7.20
4000	12.19	21.99	12.80	9.66	1.42	0.87	34.60	20.34	7.21
4200	11.92	21.91	12.37	9.33	1.42	0.87	34.65	20.24	7.23
4400	11.61	21.86	11.85	8.98	1.44	0.87	34.22	19.96	7.32
4600	11.32	21.81	11.38	8.67	1.45	0.86	33.96	19.78	7.41
4800	11.01	21.79	10.97	8.36	1.46	0.86	33.93	19.54	7.43
5000	10.68	21.75	10.59	8.07	1.47	0.86	33.05	18.96	7.50
5200	10.34	21.74	10.17	7.81	1.49	0.87	33.28	19.05	7.58
5400	10.00	21.73	9.83	7.61	1.51	0.87	33.56	19.03	7.61
5600	9.64	21.69	9.55	7.46	1.53	0.87	33.24	18.91	7.70
5800	9.34	21.68	9.22	7.29	1.56	0.88	32.64	18.71	7.74
6000	9.01	21.70	9.05	7.31	1.60	0.88	32.35	18.47	7.80
6200	8.71	21.69	8.81	7.14	1.63	0.88	32.36	18.29	7.89
6400	8.36	21.68	8.54	7.03	1.66	0.89	32.55	18.23	7.94
6600	8.01	21.68	8.35	7.02	1.71	0.89	32.18	18.10	8.09
6800	7.66	21.74	8.09	6.83	1.75	0.89	31.86	17.84	8.16
7000	7.21	21.86	7.88	6.72	1.83	0.90	31.89	17.58	8.30

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 = 5.00V, Id = 96.78mA @ Temperature = -45°C

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)
20	15.25	24.04	28.39	15.57	1.52	0.84	40.84	19.34	6.09
50	15.24	24.04	27.60	15.41	1.52	0.84	41.49	19.93	5.89
80	15.22	24.05	26.68	15.21	1.53	0.84	39.75	19.88	5.86
100	15.22	24.06	26.09	15.09	1.53	0.83	42.06	19.75	5.82
200	15.19	24.06	26.09	15.05	1.53	0.84	41.57	19.93	5.81
300	15.18	24.03	28.46	15.66	1.53	0.84	41.26	19.98	5.84
400	15.15	24.01	28.60	15.87	1.53	0.84	40.89	19.95	5.80
500	15.13	23.98	29.02	15.76	1.53	0.84	41.03	20.07	5.78
600	15.08	23.95	28.54	15.52	1.53	0.84	40.82	19.97	5.81
700	15.04	23.91	27.41	15.24	1.52	0.84	41.10	19.97	5.85
800	14.99	23.87	26.89	15.08	1.52	0.84	40.36	19.93	5.83
900	14.94	23.82	25.69	14.81	1.52	0.84	40.12	19.87	5.93
1000	14.88	23.76	24.60	14.61	1.51	0.84	40.11	20.03	5.93
1200	14.77	23.63	23.02	14.46	1.50	0.85	39.40	19.98	5.97
1400	14.61	23.52	21.15	13.65	1.49	0.85	39.08	19.91	6.02
1600	14.45	23.40	19.56	12.98	1.47	0.85	38.31	19.95	6.06
1800	14.26	23.29	18.24	12.28	1.46	0.85	38.11	19.87	6.07
2000	14.09	23.14	17.25	11.84	1.44	0.85	39.08	19.97	6.05
2200	13.91	23.01	16.48	11.25	1.42	0.85	38.57	20.02	6.05
2400	13.74	22.86	15.84	10.80	1.40	0.85	37.51	19.89	6.05
2600	13.54	22.73	15.57	10.35	1.39	0.85	37.07	19.78	6.05
2800	13.39	22.54	15.13	10.16	1.37	0.85	36.28	19.76	6.09
3000	13.24	22.36	15.02	10.05	1.37	0.85	36.78	19.78	6.08
3200	13.06	22.21	14.80	9.88	1.36	0.84	36.10	20.00	6.11
3400	12.86	22.05	14.58	9.60	1.35	0.84	35.74	19.87	6.17
3600	12.68	21.91	14.36	9.49	1.35	0.84	35.65	19.87	6.19
3800	12.48	21.78	13.81	9.53	1.36	0.85	35.20	19.64	6.28
4000	12.23	21.69	13.12	9.28	1.36	0.85	35.34	19.78	6.24
4200	11.95	21.63	12.52	9.01	1.37	0.85	35.16	19.71	6.27
4400	11.65	21.58	11.95	8.72	1.38	0.85	34.97	19.52	6.37
4600	11.39	21.51	11.41	8.59	1.39	0.86	34.51	19.44	6.45
4800	11.12	21.47	11.05	8.45	1.40	0.87	34.30	19.23	6.42
5000	10.84	21.40	10.83	8.15	1.41	0.86	33.07	18.78	6.53
5200	10.55	21.34	10.50	8.00	1.41	0.87	33.79	18.86	6.59
5400	10.30	21.26	10.20	7.95	1.43	0.87	34.10	18.77	6.60
5600	9.99	21.19	10.02	7.82	1.44	0.87	33.96	18.82	6.67
5800	9.76	21.14	9.64	7.65	1.45	0.87	33.63	18.71	6.69
6000	9.44	21.15	9.37	7.56	1.49	0.88	33.12	18.42	6.74
6200	9.15	21.13	8.96	7.36	1.50	0.88	32.87	18.27	6.84
6400	8.83	21.14	8.67	7.16	1.52	0.88	33.20	18.24	6.85
6600	8.44	21.18	8.20	6.99	1.55	0.88	32.99	18.25	6.99
6800	8.02	21.31	7.82	6.64	1.59	0.88	32.76	17.95	7.10
7000	7.55	21.47	7.49	6.41	1.64	0.88	32.60	17.68	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 = 4.75V, Id = 87.93mA @ Temperature = -45°C

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)
20	15.20	23.97	27.49	15.36	1.52	0.83	40.57	18.53	5.97
50	15.18	23.97	26.75	15.21	1.52	0.83	39.85	19.05	5.76
80	15.17	23.99	25.94	15.01	1.52	0.83	39.34	19.01	5.74
100	15.16	23.99	25.38	14.89	1.52	0.83	39.92	18.90	5.71
200	15.13	23.99	25.37	14.86	1.53	0.83	39.02	19.04	5.71
300	15.13	23.96	27.56	15.45	1.53	0.84	38.92	19.09	5.65
400	15.10	23.94	27.77	15.65	1.53	0.84	39.18	19.07	5.72
500	15.07	23.91	28.17	15.55	1.53	0.84	38.26	19.14	5.69
600	15.03	23.88	27.83	15.32	1.52	0.84	39.60	19.08	5.71
700	14.99	23.84	26.79	15.05	1.52	0.84	39.57	19.07	5.77
800	14.94	23.79	26.50	14.90	1.52	0.84	39.62	19.06	5.75
900	14.88	23.74	25.35	14.63	1.51	0.84	38.47	19.00	5.83
1000	14.83	23.69	24.35	14.44	1.51	0.84	38.72	19.10	5.83
1200	14.71	23.55	22.91	14.29	1.49	0.85	37.79	19.09	5.88
1400	14.55	23.44	21.08	13.51	1.48	0.85	37.79	19.03	5.92
1600	14.39	23.31	19.49	12.85	1.46	0.85	37.50	19.06	5.98
1800	14.20	23.19	18.19	12.17	1.45	0.85	37.06	18.99	5.97
2000	14.03	23.04	17.18	11.73	1.43	0.85	37.24	19.02	5.95
2200	13.84	22.91	16.44	11.15	1.42	0.85	37.26	19.06	5.97
2400	13.67	22.76	15.78	10.71	1.40	0.85	36.09	19.03	5.93
2600	13.47	22.62	15.50	10.27	1.39	0.85	36.10	18.93	5.97
2800	13.32	22.43	15.08	10.08	1.37	0.85	35.22	18.94	6.00
3000	13.16	22.26	14.96	9.98	1.36	0.84	35.71	18.95	6.01
3200	12.98	22.10	14.76	9.81	1.35	0.84	35.08	19.13	5.99
3400	12.78	21.94	14.55	9.53	1.35	0.84	34.89	19.04	6.06
3600	12.59	21.80	14.35	9.43	1.35	0.84	34.65	19.06	6.10
3800	12.39	21.67	13.78	9.47	1.35	0.84	34.18	18.89	6.17
4000	12.14	21.58	13.11	9.22	1.36	0.85	34.17	18.99	6.19
4200	11.86	21.52	12.51	8.97	1.36	0.85	34.01	18.92	6.17
4400	11.56	21.47	11.95	8.68	1.37	0.85	33.80	18.77	6.25
4600	11.30	21.40	11.41	8.55	1.38	0.86	33.70	18.74	6.33
4800	11.03	21.36	11.05	8.42	1.39	0.87	33.52	18.55	6.31
5000	10.75	21.29	10.83	8.13	1.40	0.86	32.42	18.16	6.44
5200	10.45	21.23	10.51	7.97	1.41	0.86	32.93	18.22	6.47
5400	10.21	21.16	10.21	7.93	1.42	0.87	33.30	18.15	6.45
5600	9.89	21.08	10.02	7.81	1.44	0.87	33.06	18.23	6.54
5800	9.66	21.04	9.65	7.63	1.45	0.87	32.74	18.12	6.60
6000	9.34	21.05	9.37	7.55	1.48	0.88	32.29	17.86	6.65
6200	9.05	21.03	8.97	7.35	1.50	0.88	32.07	17.67	6.74
6400	8.72	21.04	8.67	7.16	1.52	0.88	32.49	17.65	6.78
6600	8.33	21.08	8.22	6.99	1.56	0.88	32.35	17.71	6.92
6800	7.92	21.22	7.83	6.64	1.59	0.88	32.08	17.39	6.97
7000	7.45	21.38	7.50	6.41	1.64	0.88	32.04	17.13	7.13

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 = 105.78mA @ Temperature = -45°C

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)
20	15.29	24.09	29.20	15.76	1.53	0.84	41.81	20.07	6.21
50	15.28	24.09	28.34	15.60	1.53	0.84	47.82	20.72	6.02
80	15.27	24.11	27.39	15.39	1.53	0.84	41.98	20.66	5.98
100	15.26	24.11	26.76	15.27	1.53	0.84	41.89	20.51	5.94
200	15.23	24.11	26.69	15.23	1.53	0.84	40.48	20.72	5.90
300	15.22	24.09	29.20	15.85	1.53	0.84	43.06	20.77	5.97
400	15.20	24.06	29.39	16.05	1.54	0.84	40.54	20.74	5.91
500	15.17	24.04	29.75	15.95	1.53	0.84	43.43	20.87	5.87
600	15.12	24.01	29.09	15.69	1.53	0.84	42.42	20.76	5.90
700	15.08	23.97	27.81	15.41	1.53	0.84	42.55	20.75	5.94
800	15.04	23.93	27.31	15.24	1.52	0.84	42.07	20.72	5.91
900	14.98	23.88	25.90	14.97	1.52	0.85	41.78	20.65	6.02
1000	14.93	23.83	24.79	14.76	1.51	0.85	42.09	20.84	5.98
1200	14.82	23.70	23.08	14.60	1.50	0.85	41.16	20.77	6.08
1400	14.66	23.60	21.16	13.77	1.49	0.85	40.22	20.69	6.11
1600	14.50	23.48	19.58	13.09	1.48	0.85	40.03	20.74	6.11
1800	14.31	23.37	18.28	12.38	1.46	0.85	39.35	20.66	6.18
2000	14.15	23.22	17.29	11.93	1.45	0.85	40.80	20.80	6.16
2200	13.96	23.09	16.53	11.33	1.43	0.85	40.00	20.87	6.16
2400	13.80	22.94	15.88	10.87	1.41	0.85	38.24	20.66	6.14
2600	13.60	22.81	15.61	10.42	1.40	0.85	38.10	20.56	6.15
2800	13.45	22.63	15.18	10.22	1.38	0.85	37.15	20.49	6.17
3000	13.30	22.45	15.07	10.12	1.37	0.85	37.50	20.54	6.20
3200	13.12	22.30	14.85	9.94	1.37	0.85	37.37	20.73	6.23
3400	12.92	22.15	14.60	9.65	1.36	0.84	36.49	20.57	6.27
3600	12.74	22.00	14.39	9.54	1.36	0.84	36.40	20.57	6.30
3800	12.54	21.87	13.81	9.57	1.36	0.85	36.06	20.30	6.35
4000	12.30	21.79	13.11	9.32	1.37	0.85	36.23	20.46	6.38
4200	12.02	21.72	12.50	9.05	1.38	0.85	36.00	20.38	6.37
4400	11.72	21.68	11.94	8.75	1.38	0.85	35.65	20.16	6.46
4600	11.46	21.61	11.40	8.62	1.39	0.86	35.48	20.07	6.56
4800	11.20	21.56	11.04	8.48	1.40	0.87	34.98	19.83	6.52
5000	10.92	21.49	10.82	8.19	1.41	0.86	34.04	19.35	6.63
5200	10.63	21.43	10.49	8.02	1.42	0.87	34.44	19.42	6.69
5400	10.37	21.36	10.19	7.95	1.43	0.87	34.77	19.35	6.71
5600	10.07	21.26	9.93	7.84	1.44	0.88	34.63	19.40	6.80
5800	9.85	21.24	9.63	7.65	1.46	0.87	34.37	19.27	6.67
6000	9.51	21.23	9.36	7.58	1.49	0.88	33.66	18.99	6.91
6200	9.24	21.22	8.94	7.37	1.50	0.88	33.69	18.77	6.86
6400	8.91	21.21	8.66	7.16	1.52	0.88	33.79	18.74	7.03
6600	8.52	21.25	8.18	7.01	1.56	0.88	33.82	18.74	7.11
6800	8.11	21.37	7.81	6.64	1.58	0.88	33.48	18.40	7.22
7000	7.65	21.53	7.44	6.43	1.64	0.88	33.42	18.12	7.36

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 = 5.00V, Id = 105.56mA @ Temperature = +85°C

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)
20	15.34	24.19	33.42	16.55	1.54	0.85	41.53	19.83	7.42
50	15.34	24.20	34.48	16.71	1.54	0.85	39.52	20.50	7.24
80	15.33	24.21	36.47	16.95	1.54	0.85	40.26	20.41	7.23
100	15.32	24.21	38.00	17.12	1.54	0.85	41.80	20.23	7.23
200	15.28	24.21	37.07	17.30	1.55	0.85	41.70	20.44	7.25
300	15.23	24.22	32.47	16.68	1.55	0.85	41.03	20.49	7.19
400	15.18	24.21	30.79	16.32	1.56	0.85	39.42	20.45	7.26
500	15.15	24.19	29.94	16.25	1.56	0.85	39.92	20.60	7.24
600	15.09	24.17	28.55	16.07	1.56	0.85	39.68	20.46	7.28
700	15.04	24.14	27.07	15.67	1.56	0.85	39.52	20.44	7.33
800	14.99	24.10	25.97	15.34	1.55	0.85	38.97	20.41	7.33
900	14.92	24.06	25.10	15.04	1.55	0.85	38.54	20.28	7.41
1000	14.86	24.01	24.17	14.74	1.55	0.85	38.10	20.52	7.41
1200	14.72	23.90	22.48	14.07	1.54	0.85	37.84	20.43	7.49
1400	14.57	23.78	21.08	13.51	1.52	0.86	37.50	20.35	7.55
1600	14.42	23.64	19.72	12.97	1.51	0.86	36.74	20.40	7.58
1800	14.24	23.51	18.51	12.47	1.50	0.86	36.36	20.31	7.62
2000	14.05	23.36	17.44	11.95	1.48	0.86	36.56	20.50	7.61
2200	13.86	23.23	16.50	11.49	1.47	0.86	35.91	20.53	7.64
2400	13.67	23.07	15.64	11.13	1.45	0.86	35.27	20.13	7.65
2600	13.45	22.95	15.07	10.85	1.45	0.87	34.77	20.09	7.67
2800	13.25	22.79	14.51	10.58	1.43	0.87	34.19	19.85	7.71
3000	13.03	22.66	14.06	10.43	1.43	0.87	34.51	20.03	7.75
3200	12.81	22.51	13.74	10.31	1.43	0.88	33.68	19.99	7.80
3400	12.59	22.38	13.42	10.19	1.43	0.88	33.45	19.80	7.82
3600	12.36	22.22	13.16	10.15	1.44	0.88	33.29	19.70	7.86
3800	12.13	22.09	12.86	10.09	1.45	0.88	32.94	19.41	7.94
4000	11.86	21.98	12.52	9.85	1.46	0.88	32.74	19.55	7.95
4200	11.58	21.92	12.15	9.57	1.47	0.88	32.51	19.44	7.94
4400	11.26	21.84	11.72	9.27	1.49	0.88	32.38	19.18	8.05
4600	10.94	21.81	11.23	8.88	1.50	0.88	31.98	18.92	8.14
4800	10.59	21.81	10.78	8.49	1.52	0.88	31.93	18.73	8.12
5000	10.21	21.81	10.34	8.17	1.55	0.88	31.25	18.13	8.27
5200	9.82	21.81	9.89	7.87	1.57	0.88	31.29	18.22	8.37
5400	9.44	21.83	9.58	7.68	1.61	0.89	31.52	18.21	8.38
5600	9.08	21.84	9.30	7.52	1.64	0.89	30.91	17.95	8.48
5800	8.69	21.83	9.03	7.44	1.68	0.90	30.57	17.72	8.53
6000	8.34	21.84	8.83	7.41	1.73	0.91	30.33	17.49	8.62
6200	8.02	21.83	8.75	7.46	1.79	0.91	30.32	17.38	8.67
6400	7.64	21.86	8.63	7.38	1.85	0.91	30.33	17.25	8.75
6600	7.32	21.83	8.54	7.44	1.91	0.92	29.66	17.05	8.87
6800	6.95	21.91	8.31	7.33	1.98	0.92	29.45	16.82	8.97
7000	6.55	21.99	8.14	7.17	2.06	0.92	29.41	16.57	9.09

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 = 4.75V, Id = 96.22mA @ Temperature = +85°C

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)
20	15.30	24.13	31.85	16.34	1.53	0.84	38.17	19.07	7.25
50	15.29	24.13	32.86	16.50	1.54	0.84	39.73	19.70	7.11
80	15.29	24.14	34.32	16.73	1.54	0.85	37.71	19.61	7.10
100	15.28	24.14	35.52	16.89	1.54	0.85	39.21	19.45	7.10
200	15.24	24.15	35.61	17.07	1.55	0.85	38.33	19.64	7.09
300	15.19	24.15	31.40	16.46	1.55	0.85	38.56	19.68	7.16
400	15.14	24.15	29.98	16.13	1.55	0.85	38.10	19.66	7.14
500	15.11	24.12	29.39	16.06	1.55	0.85	38.48	19.79	7.12
600	15.05	24.10	28.15	15.88	1.55	0.85	38.98	19.66	7.14
700	15.00	24.07	26.74	15.50	1.55	0.85	38.91	19.64	7.19
800	14.95	24.03	25.76	15.17	1.55	0.85	38.06	19.61	7.18
900	14.88	23.99	24.86	14.88	1.54	0.85	37.23	19.50	7.27
1000	14.82	23.93	23.95	14.59	1.54	0.85	37.16	19.71	7.29
1200	14.68	23.82	22.37	13.93	1.53	0.85	36.89	19.62	7.35
1400	14.53	23.70	20.99	13.39	1.52	0.85	36.17	19.55	7.40
1600	14.37	23.55	19.64	12.86	1.50	0.85	36.22	19.61	7.44
1800	14.19	23.42	18.48	12.36	1.49	0.86	35.46	19.52	7.47
2000	14.00	23.26	17.42	11.86	1.47	0.86	35.84	19.68	7.48
2200	13.81	23.13	16.46	11.41	1.46	0.86	35.16	19.71	7.49
2400	13.62	22.97	15.62	11.04	1.44	0.86	34.33	19.39	7.49
2600	13.40	22.85	15.03	10.77	1.44	0.86	34.32	19.33	7.52
2800	13.19	22.69	14.50	10.50	1.42	0.87	33.79	19.15	7.55
3000	12.98	22.56	14.04	10.36	1.42	0.87	34.07	19.29	7.60
3200	12.76	22.41	13.72	10.24	1.42	0.87	33.38	19.29	7.61
3400	12.54	22.27	13.41	10.12	1.42	0.88	33.04	19.11	7.71
3600	12.31	22.12	13.16	10.09	1.43	0.88	32.62	19.04	7.71
3800	12.07	21.99	12.87	10.02	1.44	0.88	32.55	18.76	7.78
4000	11.80	21.88	12.53	9.79	1.45	0.88	32.42	18.91	7.82
4200	11.52	21.82	12.16	9.51	1.47	0.88	32.31	18.82	7.81
4400	11.21	21.74	11.74	9.22	1.48	0.88	31.99	18.56	7.90
4600	10.89	21.71	11.25	8.84	1.50	0.88	31.56	18.33	7.98
4800	10.54	21.70	10.80	8.45	1.52	0.88	31.58	18.16	7.95
5000	10.16	21.71	10.35	8.13	1.54	0.88	30.75	17.54	8.14
5200	9.77	21.72	9.90	7.83	1.56	0.88	31.11	17.67	8.18
5400	9.39	21.73	9.59	7.64	1.60	0.88	31.20	17.69	8.21
5600	9.02	21.75	9.32	7.48	1.63	0.89	30.71	17.44	8.29
5800	8.64	21.74	9.04	7.41	1.67	0.90	30.20	17.24	8.36
6000	8.30	21.74	8.85	7.37	1.72	0.90	30.15	17.02	8.46
6200	7.97	21.74	8.77	7.42	1.78	0.91	30.05	16.92	8.52
6400	7.60	21.77	8.64	7.35	1.84	0.91	30.08	16.84	8.60
6600	7.28	21.74	8.56	7.42	1.90	0.92	29.37	16.65	8.70
6800	6.91	21.82	8.33	7.31	1.97	0.92	29.20	16.42	8.78
7000	6.51	21.90	8.15	7.14	2.04	0.92	29.16	16.20	8.89

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 = 114.99mA @ Temperature = +85°C

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)
20	15.38	24.24	34.97	16.73	1.54	0.85	38.21	20.50	7.52
50	15.37	24.25	36.41	16.91	1.54	0.85	43.86	21.22	7.36
80	15.36	24.26	39.10	17.15	1.55	0.85	40.57	21.12	7.35
100	15.36	24.26	40.87	17.33	1.55	0.85	44.59	20.94	7.34
200	15.32	24.27	38.29	17.50	1.55	0.85	41.58	21.15	7.35
300	15.27	24.27	33.20	16.85	1.56	0.85	42.06	21.21	7.40
400	15.22	24.27	31.44	16.51	1.56	0.85	40.25	21.17	7.42
500	15.18	24.25	30.40	16.43	1.56	0.85	40.14	21.33	7.39
600	15.13	24.23	28.84	16.23	1.56	0.86	40.58	21.18	7.40
700	15.08	24.19	27.28	15.83	1.56	0.86	39.89	21.14	7.45
800	15.02	24.16	26.21	15.50	1.56	0.86	40.26	21.11	7.46
900	14.96	24.12	25.22	15.19	1.56	0.86	39.23	20.97	7.52
1000	14.90	24.07	24.27	14.88	1.55	0.86	39.32	21.25	7.55
1200	14.76	23.97	22.58	14.19	1.54	0.86	38.85	21.13	7.62
1400	14.61	23.85	21.14	13.63	1.53	0.86	38.17	21.03	7.68
1600	14.46	23.72	19.74	13.08	1.52	0.86	37.18	21.10	7.74
1800	14.28	23.59	18.54	12.58	1.50	0.86	37.26	21.01	7.75
2000	14.10	23.44	17.48	12.05	1.49	0.86	36.94	21.23	7.72
2200	13.90	23.31	16.52	11.59	1.47	0.86	36.55	21.25	7.78
2400	13.72	23.15	15.64	11.22	1.46	0.87	35.75	20.79	7.78
2600	13.50	23.04	15.07	10.93	1.45	0.87	35.38	20.76	7.81
2800	13.30	22.88	14.52	10.66	1.44	0.87	34.66	20.49	7.84
3000	13.08	22.75	14.06	10.51	1.44	0.88	34.86	20.70	7.89
3200	12.86	22.61	13.74	10.39	1.44	0.88	34.05	20.61	7.92
3400	12.65	22.47	13.42	10.26	1.44	0.88	33.93	20.40	7.96
3600	12.41	22.32	13.15	10.22	1.45	0.88	33.66	20.30	8.01
3800	12.18	22.19	12.86	10.16	1.46	0.89	33.33	19.99	8.07
4000	11.91	22.07	12.52	9.92	1.47	0.89	33.10	20.12	8.10
4200	11.63	22.01	12.14	9.64	1.48	0.89	32.94	19.98	8.07
4400	11.32	21.93	11.71	9.34	1.50	0.88	32.83	19.71	8.16
4600	11.00	21.90	11.22	8.95	1.51	0.88	32.37	19.44	8.29
4800	10.64	21.89	10.76	8.56	1.53	0.88	32.19	19.23	8.26
5000	10.26	21.90	10.31	8.23	1.56	0.88	31.44	18.64	8.42
5200	9.87	21.90	9.86	7.92	1.58	0.88	31.61	18.70	8.52
5400	9.49	21.92	9.55	7.73	1.62	0.89	31.54	18.66	8.51
5600	9.12	21.93	9.28	7.57	1.65	0.89	31.26	18.37	8.65
5800	8.74	21.92	9.01	7.49	1.69	0.90	30.86	18.12	8.66
6000	8.39	21.92	8.81	7.44	1.74	0.91	30.50	17.90	8.79
6200	8.06	21.92	8.72	7.50	1.80	0.91	30.46	17.75	8.83
6400	7.68	21.94	8.60	7.42	1.86	0.92	30.46	17.59	8.89
6600	7.36	21.91	8.51	7.49	1.92	0.92	29.75	17.36	9.03
6800	6.99	21.99	8.30	7.38	1.99	0.93	29.62	17.13	9.13
7000	6.59	22.06	8.12	7.21	2.07	0.92	29.54	16.89	9.29