

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 = 6.00V, Id = 63.81mA @ 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)
400	20.35	27.43	7.98	10.15	1.15	0.79	28.74	16.96	1.91
600	21.48	26.16	17.85	16.16	1.11	0.66	30.38	18.47	1.44
800	21.68	25.90	33.38	15.28	1.10	0.59	31.43	19.76	1.31
1000	21.71	25.83	26.15	14.28	1.09	0.57	32.28	20.49	1.27
1200	21.69	25.81	22.30	13.94	1.09	0.56	33.03	20.72	1.30
1400	21.65	25.82	20.58	14.03	1.09	0.57	33.17	20.95	1.29
1600	21.59	25.86	19.67	14.38	1.10	0.58	32.08	20.74	1.38
1800	21.57	25.86	18.67	14.84	1.10	0.59	31.82	20.67	1.38
2000	21.51	25.89	18.05	15.63	1.10	0.61	30.54	20.49	1.34
2200	21.45	25.93	17.38	16.62	1.11	0.63	31.05	20.20	1.35
2400	21.38	25.99	16.64	17.85	1.12	0.65	31.36	20.40	1.36
2600	21.28	26.07	16.00	19.39	1.13	0.68	30.01	19.89	1.37
2800	21.18	26.16	15.31	21.57	1.14	0.70	29.99	19.85	1.41
3000	21.12	26.22	14.43	24.80	1.14	0.72	28.90	19.27	1.43
3200	21.07	26.26	13.57	29.73	1.14	0.74	29.55	19.48	1.42
3400	20.99	26.34	12.86	40.87	1.15	0.76	29.24	19.23	1.41
3600	20.91	26.43	12.21	35.70	1.15	0.78	29.28	19.31	1.46
3800	20.82	26.53	11.59	27.72	1.16	0.80	28.60	19.07	1.42
4000	20.73	26.61	11.05	23.68	1.16	0.81	28.60	18.55	1.51
4200	20.62	26.74	10.57	20.96	1.17	0.83	28.58	18.51	1.51
4400	20.52	26.90	10.02	18.66	1.18	0.84	28.21	18.25	1.52
4600	20.41	27.01	9.59	16.96	1.19	0.85	28.37	18.51	1.50
4800	20.30	27.22	9.20	15.72	1.20	0.86	27.85	18.64	1.51
5000	20.21	27.38	8.85	14.48	1.21	0.87	27.48	19.11	1.54
5200	20.08	27.54	8.47	13.41	1.22	0.88	27.29	18.69	1.49
5400	19.98	27.71	8.18	12.50	1.23	0.88	27.05	18.53	1.53
5600	19.90	27.93	7.92	11.71	1.24	0.88	27.79	19.05	1.56
5800	19.80	28.07	7.74	10.94	1.25	0.88	27.62	19.02	1.63
6000	19.74	28.33	7.46	10.18	1.26	0.87	26.87	18.77	1.58
6200	19.66	28.59	7.25	9.54	1.27	0.87	26.56	18.35	1.58
6400	19.54	28.72	7.10	8.99	1.27	0.87	26.80	18.26	1.62
6600	19.48	29.04	6.93	8.46	1.28	0.86	27.05	18.46	1.65
6800	19.27	29.26	6.85	8.27	1.31	0.87	26.44	17.94	1.68
7000	19.37	29.54	6.85	8.02	1.32	0.87	26.47	17.80	1.62
7200	19.13	29.94	6.79	7.52	1.36	0.86	26.29	17.55	1.72
7400	19.17	29.88	6.41	7.06	1.28	0.86	26.17	17.28	1.70
7600	19.17	30.06	6.27	6.67	1.25	0.85	26.22	17.37	1.76
7800	19.13	30.15	6.16	6.37	1.22	0.85	25.95	17.04	1.75
8000	19.03	30.19	6.02	6.14	1.18	0.86	26.20	16.77	1.88

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 = 50.75mA @ 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)
400	19.43	26.71	7.48	10.32	1.16	0.81	25.58	14.58	1.93
600	20.61	25.39	15.77	17.89	1.11	0.68	26.81	15.82	1.48
800	20.84	25.10	25.49	17.71	1.10	0.62	27.45	17.04	1.35
1000	20.89	25.01	28.53	16.51	1.10	0.59	28.05	18.40	1.26
1200	20.88	25.00	24.21	16.06	1.10	0.58	28.56	18.83	1.33
1400	20.85	25.01	21.59	16.18	1.10	0.59	28.57	19.21	1.31
1600	20.78	25.07	19.93	16.60	1.10	0.61	28.24	19.03	1.39
1800	20.76	25.09	18.51	17.20	1.10	0.62	27.92	19.09	1.41
2000	20.70	25.13	17.47	18.24	1.11	0.64	27.16	19.18	1.34
2200	20.64	25.19	16.51	19.57	1.11	0.66	27.47	18.57	1.37
2400	20.56	25.27	15.60	21.32	1.12	0.68	27.70	18.75	1.42
2600	20.47	25.37	14.85	23.65	1.13	0.71	26.68	18.09	1.46
2800	20.36	25.48	14.10	27.41	1.14	0.73	26.64	17.62	1.51
3000	20.30	25.56	13.25	35.05	1.14	0.75	25.71	17.17	1.39
3200	20.25	25.62	12.45	39.28	1.14	0.77	26.25	17.38	1.52
3400	20.17	25.71	11.80	29.78	1.15	0.79	26.00	16.73	1.52
3600	20.09	25.83	11.22	25.02	1.15	0.80	26.00	16.92	1.49
3800	20.01	25.94	10.67	21.93	1.16	0.82	25.47	16.64	1.46
4000	19.93	26.04	10.19	19.72	1.16	0.83	25.41	15.97	1.50
4200	19.82	26.18	9.77	17.98	1.17	0.84	25.46	15.80	1.56
4400	19.72	26.36	9.28	16.36	1.18	0.86	25.11	15.33	1.54
4600	19.62	26.48	8.90	15.10	1.18	0.87	25.35	15.76	1.54
4800	19.53	26.70	8.55	14.15	1.19	0.88	24.87	15.98	1.62
5000	19.44	26.86	8.24	13.17	1.20	0.88	24.42	16.58	1.63
5200	19.33	27.03	7.91	12.29	1.21	0.89	24.30	16.57	1.60
5400	19.24	27.21	7.64	11.55	1.22	0.89	24.18	16.64	1.65
5600	19.17	27.43	7.42	10.89	1.23	0.89	24.89	17.61	1.62
5800	19.09	27.58	7.26	10.24	1.23	0.88	24.76	17.58	1.58
6000	19.03	27.84	7.01	9.59	1.24	0.88	24.07	17.59	1.67
6200	18.97	28.10	6.82	9.06	1.25	0.88	23.65	17.21	1.64
6400	18.87	28.25	6.68	8.56	1.25	0.87	23.99	17.00	1.65
6600	18.82	28.56	6.53	8.11	1.26	0.87	24.28	17.51	1.64
6800	18.63	28.79	6.45	7.95	1.28	0.88	23.73	17.02	1.77
7000	18.75	29.06	6.46	7.77	1.29	0.88	23.85	16.86	1.78
7200	18.53	29.48	6.42	7.31	1.34	0.87	23.77	16.67	2.00
7400	18.58	29.46	6.02	6.89	1.26	0.87	23.76	16.45	1.81
7600	18.60	29.64	5.89	6.56	1.23	0.87	23.86	16.69	1.80
7800	18.57	29.77	5.79	6.28	1.20	0.87	23.84	16.42	1.80
8000	18.49	29.85	5.64	6.07	1.17	0.87	24.32	16.11	1.86

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 = 6.25V, Id = 67.35mA @ 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)
400	20.57	27.62	8.02	10.10	1.15	0.79	29.36	17.65	1.88
600	21.70	26.37	18.06	15.94	1.11	0.66	31.09	19.01	1.45
800	21.89	26.10	34.22	15.04	1.09	0.59	32.13	20.17	1.31
1000	21.92	26.03	25.78	14.07	1.09	0.56	33.31	20.80	1.24
1200	21.89	26.01	22.08	13.75	1.09	0.56	33.89	21.08	1.29
1400	21.86	26.02	20.43	13.84	1.09	0.56	34.33	21.31	1.30
1600	21.80	26.06	19.59	14.18	1.10	0.58	32.96	21.09	1.34
1800	21.77	26.06	18.64	14.64	1.10	0.59	32.61	21.02	1.38
2000	21.71	26.09	18.06	15.41	1.10	0.61	31.44	20.84	1.31
2200	21.65	26.12	17.40	16.37	1.11	0.63	31.68	20.58	1.36
2400	21.57	26.18	16.69	17.57	1.12	0.65	32.14	20.75	1.40
2600	21.48	26.25	16.04	19.07	1.13	0.68	30.75	20.26	1.41
2800	21.37	26.34	15.37	21.16	1.14	0.70	30.71	20.21	1.49
3000	21.31	26.40	14.50	24.22	1.14	0.72	29.62	19.64	1.39
3200	21.25	26.44	13.62	28.80	1.14	0.74	30.14	19.86	1.46
3400	21.17	26.51	12.91	38.24	1.15	0.76	29.91	19.67	1.49
3600	21.08	26.61	12.25	37.93	1.15	0.78	29.81	19.68	1.47
3800	20.99	26.70	11.63	28.43	1.16	0.80	29.33	19.35	1.44
4000	20.90	26.78	11.08	24.12	1.16	0.81	29.21	18.99	1.49
4200	20.78	26.91	10.61	21.28	1.17	0.83	29.17	18.94	1.55
4400	20.67	27.07	10.06	18.88	1.18	0.84	28.75	18.72	1.52
4600	20.56	27.17	9.62	17.14	1.19	0.85	28.93	18.97	1.52
4800	20.45	27.38	9.23	15.86	1.20	0.86	28.48	19.09	1.62
5000	20.35	27.53	8.87	14.59	1.21	0.87	28.11	19.53	1.60
5200	20.23	27.69	8.50	13.50	1.22	0.88	27.89	19.05	1.57
5400	20.12	27.86	8.21	12.57	1.23	0.88	27.59	18.86	1.58
5600	20.03	28.08	7.95	11.75	1.25	0.88	28.26	19.23	1.59
5800	19.93	28.22	7.76	10.98	1.25	0.88	28.18	19.16	1.54
6000	19.86	28.48	7.49	10.21	1.26	0.88	27.42	18.89	1.62
6200	19.78	28.74	7.28	9.56	1.27	0.87	27.09	18.59	1.64
6400	19.65	28.86	7.14	9.00	1.27	0.87	27.30	18.46	1.66
6600	19.58	29.17	6.97	8.46	1.29	0.86	27.59	18.60	1.62
6800	19.37	29.39	6.89	8.27	1.31	0.88	26.93	18.08	1.73
7000	19.47	29.66	6.89	8.01	1.32	0.87	26.94	17.92	1.77
7200	19.23	30.04	6.83	7.51	1.36	0.86	26.70	17.68	1.96
7400	19.26	29.97	6.46	7.04	1.28	0.86	26.55	17.39	1.77
7600	19.26	30.13	6.30	6.66	1.25	0.85	26.62	17.37	1.74
7800	19.21	30.20	6.20	6.35	1.21	0.85	26.36	17.11	1.80
8000	19.10	30.22	6.06	6.12	1.17	0.86	26.55	16.86	1.84

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 = 6.00V, Id = 72.73mA @ 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)
400	19.97	26.72	10.33	9.01	1.13	0.71	31.81	19.31	1.46
600	20.86	25.70	26.69	10.71	1.10	0.57	33.13	21.34	1.13
800	20.92	25.56	16.30	9.77	1.09	0.51	33.83	21.91	1.05
1000	20.91	25.52	13.94	9.26	1.08	0.49	34.20	22.13	0.98
1200	20.89	25.51	13.17	9.08	1.08	0.48	32.38	22.20	1.03
1400	20.84	25.52	12.52	8.84	1.08	0.48	31.85	22.30	1.02
1600	20.83	25.52	12.62	8.98	1.08	0.49	31.69	22.33	1.10
1800	20.85	25.49	12.78	9.14	1.08	0.49	32.69	22.37	1.11
2000	20.87	25.45	13.28	9.53	1.08	0.50	31.81	22.12	1.02
2200	20.88	25.42	13.88	9.89	1.09	0.51	30.96	21.93	1.03
2400	20.87	25.41	14.25	10.19	1.09	0.52	31.20	22.07	1.11
2600	20.85	25.42	15.08	10.71	1.10	0.53	31.76	21.90	1.12
2800	20.84	25.43	16.11	11.54	1.10	0.56	32.10	21.72	1.19
3000	20.88	25.39	17.92	12.74	1.11	0.58	31.02	20.89	1.06
3200	20.94	25.33	19.20	13.60	1.10	0.58	30.92	20.83	1.11
3400	20.95	25.32	19.94	14.39	1.10	0.59	30.87	20.55	1.11
3600	20.96	25.33	20.78	15.62	1.11	0.61	30.79	20.26	1.10
3800	20.96	25.34	20.63	17.24	1.11	0.62	30.26	19.44	1.06
4000	20.97	25.35	20.13	19.41	1.11	0.64	29.97	18.47	1.09
4200	20.94	25.40	19.60	21.25	1.12	0.65	29.42	18.27	1.12
4400	20.92	25.47	18.56	23.48	1.12	0.66	29.32	17.78	1.08
4600	20.90	25.50	17.90	26.67	1.12	0.67	29.08	18.07	1.09
4800	20.88	25.63	16.47	33.06	1.13	0.69	28.63	17.68	1.15
5000	20.86	25.71	15.41	33.75	1.13	0.70	28.83	17.96	1.15
5200	20.80	25.81	14.29	28.03	1.14	0.72	28.35	17.26	1.15
5400	20.78	25.92	13.63	23.70	1.15	0.72	27.32	16.80	1.25
5600	20.76	26.09	12.70	20.58	1.15	0.73	28.62	17.91	1.15
5800	20.71	26.23	11.72	17.60	1.16	0.74	28.71	18.05	1.09
6000	20.68	26.43	10.91	15.54	1.17	0.74	27.88	17.43	1.16
6200	20.66	26.67	10.29	14.07	1.18	0.74	27.73	17.05	1.16
6400	20.59	26.85	9.94	12.88	1.18	0.74	28.00	16.98	1.19
6600	20.54	27.13	9.20	11.53	1.19	0.74	28.75	18.31	1.16
6800	20.42	27.36	8.99	10.70	1.21	0.74	28.00	17.85	1.25
7000	20.42	27.79	8.78	11.07	1.24	0.78	28.15	18.04	1.24
7200	20.38	28.18	8.63	9.93	1.27	0.76	28.00	17.86	1.46
7400	20.49	28.27	8.39	9.16	1.25	0.74	27.66	17.58	1.28
7600	20.56	28.68	8.30	8.51	1.26	0.73	28.20	18.24	1.26
7800	20.63	29.01	8.31	8.07	1.27	0.72	27.74	18.13	1.24
8000	20.68	29.30	8.22	7.77	1.27	0.72	27.86	17.74	1.31

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 = 55.19mA @ 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)
400	19.07	25.93	9.43	9.76	1.15	0.75	26.78	14.97	1.50
600	20.04	24.82	31.99	12.58	1.11	0.61	28.73	17.90	1.13
800	20.16	24.64	20.12	11.51	1.10	0.55	30.00	19.81	1.07
1000	20.17	24.60	16.60	10.88	1.09	0.53	31.31	20.21	1.00
1200	20.15	24.59	15.50	10.65	1.09	0.52	31.99	20.26	1.10
1400	20.12	24.61	14.57	10.35	1.09	0.52	32.60	20.39	1.07
1600	20.10	24.63	14.56	10.51	1.09	0.53	30.54	20.41	1.16
1800	20.11	24.62	14.66	10.72	1.09	0.53	30.47	20.46	1.15
2000	20.12	24.61	15.10	11.20	1.10	0.54	28.53	20.27	1.06
2200	20.12	24.61	15.64	11.65	1.10	0.55	28.70	19.84	1.06
2400	20.11	24.63	15.84	12.03	1.10	0.57	29.43	20.00	1.13
2600	20.08	24.67	16.58	12.68	1.11	0.59	28.10	19.89	1.15
2800	20.05	24.72	17.32	13.72	1.12	0.61	28.17	19.67	1.19
3000	20.08	24.73	18.25	15.31	1.12	0.63	26.54	18.93	1.09
3200	20.13	24.70	18.54	16.46	1.12	0.64	27.18	18.79	1.16
3400	20.13	24.72	18.37	17.54	1.12	0.65	26.92	18.23	1.11
3600	20.14	24.76	18.17	19.21	1.12	0.66	26.86	17.91	1.12
3800	20.13	24.81	17.34	21.54	1.12	0.68	26.15	16.84	1.07
4000	20.13	24.85	16.61	24.71	1.12	0.69	25.99	16.00	1.13
4200	20.11	24.92	16.13	27.20	1.13	0.70	25.86	15.64	1.13
4400	20.09	25.01	15.43	28.40	1.13	0.71	25.50	15.03	1.11
4600	20.07	25.07	15.02	26.42	1.14	0.72	25.64	15.46	1.10
4800	20.04	25.22	14.06	24.77	1.14	0.73	25.04	15.06	1.20
5000	20.03	25.34	13.32	22.61	1.15	0.74	24.89	15.65	1.17
5200	19.98	25.46	12.51	20.71	1.15	0.75	24.56	15.11	1.16
5400	19.96	25.59	12.06	18.81	1.16	0.76	23.98	14.93	1.20
5600	19.95	25.77	11.34	17.17	1.17	0.77	25.18	16.03	1.17
5800	19.90	25.93	10.57	15.25	1.17	0.77	25.11	16.16	1.12
6000	19.88	26.14	9.92	13.84	1.18	0.77	24.23	16.03	1.18
6200	19.87	26.39	9.42	12.76	1.19	0.77	23.95	15.64	1.18
6400	19.82	26.58	9.13	11.81	1.19	0.77	24.21	15.56	1.19
6600	19.77	26.86	8.50	10.75	1.20	0.77	24.84	16.81	1.17
6800	19.68	27.09	8.33	10.07	1.22	0.77	24.21	16.78	1.28
7000	19.70	27.49	8.15	10.50	1.25	0.80	24.32	17.29	1.28
7200	19.68	27.88	8.08	9.54	1.28	0.78	24.37	17.44	1.48
7400	19.81	27.98	7.80	8.90	1.25	0.76	24.24	17.15	1.29
7600	19.90	28.37	7.69	8.33	1.26	0.76	24.73	18.17	1.26
7800	19.99	28.68	7.67	7.97	1.26	0.75	24.60	18.13	1.28
8000	20.06	28.98	7.57	7.72	1.27	0.76	25.29	17.61	1.31

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 = 6.25V, Id = 76.65mA @ 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)
400	20.14	26.85	10.47	8.91	1.13	0.70	32.60	20.25	1.44
600	21.01	25.85	25.52	10.52	1.10	0.57	33.37	21.83	1.13
800	21.07	25.71	15.89	9.59	1.08	0.51	33.16	22.38	1.05
1000	21.05	25.68	13.65	9.10	1.08	0.49	33.42	22.56	1.02
1200	21.02	25.66	12.91	8.92	1.08	0.48	31.98	22.64	1.05
1400	20.98	25.68	12.30	8.69	1.08	0.47	31.59	22.74	1.02
1600	20.96	25.67	12.41	8.82	1.08	0.48	31.56	22.76	1.10
1800	20.98	25.64	12.57	8.98	1.08	0.48	32.26	22.81	1.13
2000	21.00	25.59	13.09	9.36	1.08	0.49	31.87	22.57	1.03
2200	21.02	25.56	13.68	9.71	1.08	0.50	30.96	22.43	1.05
2400	21.01	25.55	14.05	10.00	1.09	0.51	31.26	22.54	1.10
2600	21.00	25.55	14.89	10.52	1.09	0.53	32.12	22.42	1.08
2800	20.98	25.56	15.93	11.33	1.10	0.55	32.24	22.24	1.13
3000	21.03	25.51	17.84	12.50	1.10	0.57	31.49	21.47	1.06
3200	21.09	25.45	19.19	13.33	1.10	0.57	31.40	21.39	1.09
3400	21.10	25.43	20.05	14.11	1.10	0.59	31.30	21.15	1.12
3600	21.11	25.44	21.08	15.30	1.10	0.60	31.33	20.86	1.08
3800	21.11	25.44	21.09	16.87	1.11	0.62	30.83	20.17	1.05
4000	21.11	25.45	20.65	18.98	1.11	0.63	30.47	19.20	1.09
4200	21.08	25.49	20.11	20.76	1.11	0.64	30.06	18.99	1.12
4400	21.06	25.56	18.98	22.92	1.12	0.66	29.87	18.51	1.07
4600	21.04	25.59	18.29	26.24	1.12	0.67	29.58	18.77	1.08
4800	21.02	25.71	16.77	33.30	1.13	0.68	29.14	18.35	1.14
5000	20.99	25.80	15.64	37.18	1.13	0.70	29.35	18.61	1.15
5200	20.94	25.90	14.47	29.27	1.14	0.71	28.99	17.90	1.16
5400	20.91	26.00	13.79	24.31	1.15	0.72	27.82	17.38	1.15
5600	20.89	26.17	12.84	20.89	1.15	0.73	29.18	18.42	1.15
5800	20.84	26.31	11.82	17.79	1.16	0.73	29.20	18.58	1.09
6000	20.81	26.50	10.99	15.66	1.16	0.74	28.44	17.96	1.17
6200	20.78	26.74	10.37	14.14	1.17	0.74	28.36	17.50	1.15
6400	20.71	26.93	10.02	12.92	1.18	0.74	28.59	17.42	1.18
6600	20.66	27.20	9.25	11.56	1.19	0.74	29.37	18.71	1.15
6800	20.53	27.44	9.04	10.71	1.21	0.74	28.55	18.12	1.25
7000	20.53	27.87	8.82	11.05	1.24	0.78	28.70	18.30	1.25
7200	20.49	28.26	8.67	9.90	1.27	0.76	28.55	18.07	1.46
7400	20.60	28.35	8.44	9.13	1.25	0.73	28.22	17.81	1.26
7600	20.66	28.78	8.34	8.46	1.26	0.73	28.74	18.36	1.24
7800	20.72	29.09	8.36	8.02	1.27	0.72	28.15	18.23	1.22
8000	20.77	29.39	8.26	7.72	1.27	0.72	28.14	17.81	1.28

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 = 6.00V, Id = 46.88mA @ Temperature = +125°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)
400	20.04	28.73	5.14	8.66	1.18	0.86	25.36	18.17	2.60
600	21.51	27.17	8.72	14.23	1.13	0.75	26.29	18.97	1.95
800	21.92	26.70	11.08	18.31	1.11	0.69	26.62	19.73	1.76
1000	22.01	26.55	11.85	20.16	1.10	0.68	27.02	20.43	1.70
1200	21.97	26.54	11.63	20.15	1.10	0.68	27.26	20.45	1.73
1400	21.87	26.59	10.96	19.32	1.10	0.70	27.10	20.67	1.73
1600	21.71	26.69	10.19	18.62	1.10	0.73	26.91	20.51	1.80
1800	21.60	26.74	9.63	17.77	1.10	0.75	26.73	20.54	1.83
2000	21.44	26.84	9.07	16.99	1.10	0.77	26.43	20.76	1.78
2200	21.27	26.93	8.62	16.41	1.11	0.80	26.80	20.25	1.83
2400	21.10	27.04	8.24	15.93	1.11	0.83	26.84	20.39	1.89
2600	20.91	27.16	7.91	15.52	1.12	0.85	26.15	20.17	1.91
2800	20.71	27.30	7.59	15.03	1.13	0.88	26.05	20.05	2.01
3000	20.52	27.41	7.25	14.39	1.13	0.90	25.49	19.93	1.92
3200	20.33	27.53	6.92	13.68	1.13	0.93	26.03	19.85	2.06
3400	20.11	27.67	6.63	12.97	1.14	0.95	25.78	19.50	2.05
3600	19.88	27.84	6.34	12.23	1.14	0.97	25.67	19.57	2.08
3800	19.64	28.00	5.99	11.39	1.14	0.98	25.19	19.47	2.09
4000	19.38	28.17	5.68	10.68	1.14	1.00	25.20	19.02	2.14
4200	19.11	28.35	5.46	10.06	1.15	1.01	25.23	18.75	2.21
4400	18.85	28.57	5.17	9.36	1.15	1.01	24.84	18.46	2.24
4600	18.60	28.70	4.95	8.85	1.16	1.02	24.89	18.17	2.26
4800	18.37	28.89	4.76	8.39	1.16	1.02	24.38	17.91	2.33
5000	18.17	29.02	4.63	7.96	1.16	1.02	23.62	17.58	2.36
5200	17.97	29.07	4.55	7.64	1.16	1.01	23.59	16.96	2.36
5400	17.83	29.13	4.49	7.36	1.15	1.01	23.64	16.59	2.37
5600	17.70	29.24	4.43	7.07	1.15	1.00	23.63	16.21	2.38
5800	17.57	29.14	4.46	6.84	1.13	0.99	23.29	15.71	2.30
6000	17.47	29.14	4.44	6.58	1.10	0.99	22.74	15.56	2.40
6200	17.36	29.07	4.46	6.36	1.08	0.98	22.32	15.22	2.40
6400	17.22	28.93	4.52	6.21	1.06	0.97	22.41	14.72	2.42
6600	17.06	28.93	4.49	6.06	1.03	0.98	22.21	14.33	2.40
6800	16.92	28.89	4.48	6.02	1.02	0.99	21.74	14.04	2.55
7000	16.74	28.71	4.63	5.75	1.00	0.97	21.56	13.71	2.63
7200	16.36	28.69	4.62	5.57	1.00	0.96	21.33	13.44	2.78
7400	16.28	28.46	4.26	5.30	0.89	0.97	21.31	13.08	2.63
7600	16.07	28.18	4.17	5.09	0.83	0.97	20.81	12.89	2.67
7800	15.80	27.92	4.11	4.91	0.78	0.97	20.72	12.63	2.69
8000	15.53	27.73	4.04	4.77	0.75	0.97	20.91	12.27	2.77

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 = 37.29mA @ Temperature = +125°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)
400	18.87	27.97	4.84	8.23	1.19	0.86	23.06	18.11	2.70
600	20.38	26.36	8.09	12.88	1.14	0.76	23.91	19.07	2.01
800	20.82	25.87	10.20	15.95	1.12	0.70	24.17	19.81	1.84
1000	20.93	25.71	10.89	17.21	1.11	0.68	24.56	20.16	1.72
1200	20.90	25.70	10.72	17.18	1.10	0.69	24.73	20.01	1.79
1400	20.81	25.75	10.14	16.60	1.10	0.71	24.62	20.16	1.80
1600	20.66	25.87	9.47	16.11	1.10	0.74	24.47	20.11	1.87
1800	20.56	25.92	8.98	15.50	1.10	0.76	24.27	20.30	1.89
2000	20.41	26.02	8.48	14.92	1.10	0.78	23.95	20.35	1.84
2200	20.25	26.13	8.06	14.49	1.11	0.81	24.33	19.81	1.88
2400	20.08	26.24	7.71	14.13	1.11	0.83	24.38	19.89	1.95
2600	19.91	26.37	7.42	13.82	1.12	0.86	23.69	20.22	1.98
2800	19.71	26.51	7.13	13.45	1.12	0.88	23.59	19.99	2.08
3000	19.53	26.64	6.81	12.94	1.12	0.91	23.05	20.05	2.00
3200	19.36	26.76	6.50	12.34	1.12	0.93	23.58	19.46	2.10
3400	19.15	26.92	6.24	11.76	1.13	0.95	23.30	19.35	2.09
3600	18.93	27.09	5.96	11.13	1.13	0.96	23.23	19.30	2.13
3800	18.69	27.27	5.64	10.42	1.13	0.98	22.75	19.41	2.13
4000	18.45	27.44	5.35	9.81	1.13	0.99	22.78	18.84	2.19
4200	18.19	27.63	5.14	9.27	1.14	1.00	22.89	18.46	2.28
4400	17.94	27.86	4.87	8.66	1.13	1.00	22.49	18.31	2.30
4600	17.69	28.00	4.67	8.20	1.14	1.00	22.56	18.08	2.31
4800	17.48	28.20	4.48	7.81	1.14	1.01	22.13	17.83	2.45
5000	17.29	28.34	4.36	7.43	1.13	1.00	21.35	17.82	2.44
5200	17.11	28.40	4.28	7.15	1.13	1.00	21.44	17.14	2.44
5400	16.98	28.47	4.22	6.91	1.13	0.99	21.61	16.76	2.42
5600	16.87	28.58	4.17	6.66	1.12	0.99	21.63	16.26	2.43
5800	16.75	28.50	4.19	6.44	1.10	0.98	21.28	15.92	2.40
6000	16.67	28.51	4.17	6.22	1.07	0.97	20.80	15.84	2.45
6200	16.58	28.47	4.19	6.03	1.05	0.97	20.42	15.37	2.47
6400	16.45	28.34	4.24	5.91	1.03	0.96	20.58	14.74	2.46
6600	16.31	28.37	4.22	5.77	1.01	0.97	20.37	14.11	2.49
6800	16.19	28.35	4.21	5.76	0.99	0.98	19.97	13.82	2.61
7000	16.02	28.21	4.36	5.51	0.98	0.96	19.85	13.49	2.69
7200	15.65	28.23	4.36	5.35	0.99	0.95	19.66	13.19	2.85
7400	15.59	28.04	4.01	5.11	0.88	0.96	19.69	12.78	2.68
7600	15.39	27.80	3.92	4.92	0.82	0.96	19.22	12.63	2.76
7800	15.14	27.59	3.87	4.76	0.78	0.96	19.17	12.34	2.74
8000	14.88	27.43	3.81	4.63	0.75	0.96	19.39	11.94	2.85

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 = 6.25V, Id = 49.61mA @ Temperature = +125°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)
400	20.29	28.90	5.21	8.76	1.18	0.86	25.90	18.33	2.59
600	21.75	27.34	8.87	14.56	1.13	0.75	26.89	19.13	1.95
800	22.15	26.88	11.29	18.92	1.11	0.69	27.21	19.81	1.77
1000	22.23	26.74	12.08	20.96	1.10	0.67	27.62	20.36	1.67
1200	22.19	26.73	11.83	20.97	1.10	0.68	27.85	20.42	1.71
1400	22.09	26.77	11.14	20.04	1.10	0.70	27.71	20.69	1.71
1600	21.93	26.87	10.35	19.29	1.10	0.73	27.47	20.56	1.81
1800	21.82	26.92	9.78	18.35	1.10	0.75	27.33	20.58	1.82
2000	21.66	27.01	9.22	17.51	1.10	0.77	27.00	20.77	1.78
2200	21.49	27.11	8.75	16.90	1.11	0.80	27.45	20.32	1.82
2400	21.31	27.21	8.35	16.39	1.11	0.83	27.48	20.40	1.88
2600	21.12	27.33	8.02	15.95	1.12	0.85	26.71	20.17	1.91
2800	20.91	27.46	7.70	15.43	1.13	0.88	26.61	19.92	2.01
3000	20.72	27.58	7.35	14.75	1.13	0.90	26.07	19.80	1.92
3200	20.53	27.69	7.01	14.00	1.13	0.93	26.57	19.81	2.05
3400	20.31	27.83	6.73	13.27	1.14	0.95	26.34	19.47	2.00
3600	20.08	28.00	6.43	12.49	1.14	0.97	26.25	19.52	2.07
3800	19.83	28.16	6.07	11.63	1.14	0.98	25.75	19.37	2.05
4000	19.57	28.32	5.76	10.89	1.15	1.00	25.73	19.09	2.17
4200	19.30	28.50	5.54	10.24	1.16	1.01	25.76	18.85	2.22
4400	19.04	28.71	5.24	9.52	1.16	1.02	25.35	18.50	2.23
4600	18.78	28.85	5.02	8.99	1.16	1.02	25.35	18.27	2.24
4800	18.55	29.03	4.83	8.52	1.17	1.02	24.87	17.86	2.35
5000	18.35	29.16	4.69	8.08	1.16	1.02	24.10	17.45	2.36
5200	18.15	29.21	4.61	7.75	1.17	1.01	24.06	17.01	2.32
5400	18.00	29.27	4.55	7.46	1.16	1.01	24.07	16.67	2.36
5600	17.87	29.36	4.50	7.17	1.15	1.00	24.10	16.22	2.35
5800	17.73	29.27	4.52	6.92	1.13	0.99	23.74	15.84	2.28
6000	17.62	29.26	4.51	6.66	1.11	0.99	23.16	15.68	2.38
6200	17.52	29.18	4.53	6.43	1.08	0.98	22.74	15.31	2.42
6400	17.37	29.04	4.59	6.28	1.06	0.97	22.83	14.85	2.41
6600	17.20	29.03	4.57	6.12	1.04	0.98	22.60	14.46	2.39
6800	17.07	28.99	4.55	6.08	1.02	0.99	22.11	14.15	2.54
7000	16.88	28.81	4.70	5.80	1.00	0.97	21.94	13.85	2.62
7200	16.49	28.77	4.69	5.62	1.01	0.96	21.68	13.56	2.77
7400	16.41	28.54	4.32	5.35	0.90	0.97	21.64	13.19	2.62
7600	16.20	28.24	4.23	5.13	0.83	0.97	21.15	12.99	2.65
7800	15.93	27.98	4.17	4.95	0.79	0.97	21.06	12.77	2.69
8000	15.65	27.77	4.09	4.80	0.75	0.97	21.22	12.39	2.75