

## 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 = 82.80mA @ 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)			(dBm)	(dBm)	(dB)
400	20.99	28.13	9.18	9.45	1.15	0.76	34.82	18.45	1.83
500	21.71	27.30	14.74	12.01	1.12	0.69	34.61	19.32	1.57
600	22.00	26.96	22.32	12.55	1.11	0.64	35.54	20.05	1.44
700	22.11	26.80	32.13	12.10	1.10	0.60	35.16	20.17	1.37
800	22.14	26.74	24.91	11.48	1.10	0.57	36.32	20.70	1.34
900	22.14	26.71	20.86	10.93	1.09	0.55	37.37	21.18	1.34
1000	22.12	26.71	18.63	10.50	1.09	0.53	36.52	21.06	1.28
1100	22.10	26.72	17.17	10.14	1.09	0.52	38.63	21.44	1.29
1200	22.07	26.73	16.15	9.87	1.09	0.52	39.99	21.42	1.31
1300	22.04	26.75	15.45	9.65	1.09	0.51	38.50	21.58	1.35
1400	21.98	26.79	14.86	9.43	1.09	0.51	37.79	21.63	1.34
1500	21.96	26.80	14.41	9.30	1.09	0.51	38.37	21.68	1.31
1600	21.92	26.83	13.97	9.18	1.10	0.51	38.11	21.50	1.40
1800	21.86	26.86	13.45	9.10	1.10	0.52	38.33	21.62	1.39
2000	21.81	26.89	13.12	9.15	1.10	0.53	38.90	21.61	1.35
2200	21.75	26.93	13.07	9.31	1.11	0.54	35.50	21.08	1.37
2400	21.68	26.98	13.13	9.65	1.12	0.57	35.02	21.35	1.37
2600	21.60	27.05	13.51	10.21	1.13	0.60	38.19	21.14	1.50
2800	21.54	27.09	14.08	11.07	1.15	0.63	37.89	20.84	1.55
3000	21.55	27.07	14.41	12.18	1.15	0.66	35.44	20.40	1.54
3200	21.58	27.03	14.32	13.45	1.15	0.69	35.10	20.35	1.51
3400	21.58	27.02	14.06	15.05	1.15	0.71	35.87	20.20	1.51
3600	21.55	27.04	13.62	17.08	1.15	0.74	35.24	19.67	1.55
3800	21.52	27.08	13.08	19.80	1.15	0.77	33.97	19.41	1.49
4000	21.47	27.14	12.47	23.80	1.16	0.79	33.05	19.23	1.54
4200	21.40	27.21	11.86	30.30	1.16	0.81	34.14	19.25	1.57
4400	21.34	27.29	11.30	36.52	1.17	0.82	33.90	19.40	1.59
4600	21.28	27.38	10.88	29.21	1.17	0.83	35.40	19.70	1.55
4800	21.22	27.46	10.55	25.05	1.18	0.84	33.33	19.37	1.53
5000	21.18	27.55	10.39	22.60	1.19	0.85	32.02	19.59	1.57
5200	21.15	27.61	10.28	21.20	1.20	0.85	32.55	20.00	1.58
5400	21.14	27.65	10.32	20.30	1.20	0.85	33.20	19.63	1.57
5600	21.15	27.68	10.47	19.71	1.20	0.84	33.90	19.98	1.57
6000	21.19	27.74	11.12	19.31	1.21	0.84	33.37	20.02	1.53
6500	21.19	27.87	12.12	18.78	1.22	0.84	34.23	19.85	1.62
7000	20.90	28.22	12.84	18.01	1.27	0.87	33.74	19.61	1.87
7500	20.48	28.67	9.35	16.17	1.25	0.98	31.74	18.69	1.96
8000	19.74	29.29	6.79	13.81	1.22	1.11	29.89	17.86	2.21
8500	18.58	30.16	5.02	11.53	1.21	1.22	28.10	17.34	2.48
9000	17.05	30.91	3.91	9.41	1.22	1.27	26.86	16.41	2.83
9500	15.35	31.65	3.17	8.06	1.30	1.29	26.21	15.88	3.31
10000	13.00	32.59	2.81	8.64	1.85	1.34	24.46	14.06	3.88

## 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 = 64.21mA @ 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)			(dBm)	(dBm)	(dB)
400	20.21	27.46	8.75	9.78	1.16	0.78	30.14	16.07	1.85
500	20.95	26.63	13.75	12.70	1.13	0.71	31.05	16.84	1.60
600	21.26	26.26	20.01	13.53	1.12	0.66	31.43	17.55	1.46
700	21.38	26.09	29.28	13.13	1.11	0.62	30.92	17.77	1.40
800	21.42	26.02	29.40	12.46	1.10	0.59	31.75	18.50	1.36
900	21.43	25.99	23.67	11.84	1.10	0.57	33.21	19.28	1.35
1000	21.43	25.98	20.69	11.37	1.10	0.56	31.96	19.23	1.29
1100	21.41	25.99	18.88	10.96	1.10	0.55	35.28	19.73	1.30
1200	21.38	26.00	17.61	10.67	1.10	0.54	35.15	19.66	1.33
1300	21.35	26.02	16.74	10.41	1.10	0.54	35.44	19.90	1.36
1400	21.29	26.05	16.01	10.17	1.10	0.54	35.74	19.97	1.38
1500	21.28	26.07	15.45	10.01	1.10	0.53	36.35	20.08	1.32
1600	21.24	26.10	14.92	9.88	1.10	0.54	36.14	19.93	1.40
1800	21.19	26.15	14.27	9.79	1.10	0.54	35.35	20.12	1.41
2000	21.14	26.18	13.83	9.84	1.11	0.55	35.25	20.09	1.37
2200	21.07	26.23	13.67	10.01	1.11	0.57	32.37	19.56	1.38
2400	21.00	26.30	13.65	10.38	1.12	0.60	34.16	19.84	1.37
2600	20.92	26.39	13.91	10.98	1.14	0.63	33.23	19.79	1.52
2800	20.84	26.45	14.32	11.93	1.15	0.66	32.14	19.48	1.56
3000	20.85	26.45	14.40	13.14	1.16	0.69	30.16	19.09	1.54
3200	20.87	26.44	14.05	14.54	1.15	0.72	31.15	18.92	1.57
3400	20.86	26.45	13.60	16.30	1.15	0.74	30.55	18.72	1.51
3600	20.84	26.49	13.03	18.52	1.15	0.77	29.93	18.00	1.59
3800	20.80	26.55	12.43	21.50	1.15	0.79	29.03	17.63	1.54
4000	20.75	26.62	11.80	25.49	1.16	0.82	28.69	17.45	1.56
4200	20.69	26.70	11.24	28.95	1.16	0.83	29.60	17.66	1.57
4400	20.63	26.79	10.71	27.26	1.17	0.85	29.24	17.82	1.62
4600	20.58	26.88	10.35	24.20	1.17	0.85	29.82	18.21	1.56
4800	20.53	26.97	10.07	21.92	1.18	0.86	28.84	17.87	1.55
5000	20.50	27.05	9.93	20.33	1.19	0.86	27.84	18.21	1.59
5200	20.49	27.11	9.85	19.35	1.19	0.86	28.32	18.80	1.59
5400	20.49	27.16	9.90	18.62	1.20	0.86	28.54	18.43	1.61
5600	20.52	27.19	10.06	18.15	1.20	0.86	29.37	18.88	1.57
6000	20.58	27.23	10.70	17.76	1.20	0.85	29.00	19.13	1.55
6500	20.61	27.36	11.72	17.26	1.21	0.85	29.47	19.00	1.60
7000	20.35	27.71	12.49	16.63	1.26	0.88	29.40	18.89	1.90
7500	19.94	28.17	9.17	15.20	1.24	0.98	28.43	17.88	1.99
8000	19.21	28.82	6.71	13.20	1.20	1.11	26.87	17.10	2.21
8500	18.06	29.74	4.97	11.18	1.20	1.22	25.50	16.69	2.45
9000	16.56	30.55	3.87	9.21	1.22	1.27	24.34	15.94	2.87
9500	14.88	31.37	3.15	7.93	1.31	1.28	23.87	15.41	3.30
10000	12.55	32.38	2.79	8.57	1.89	1.34	22.38	13.48	3.90

## 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 = 87.68mA @ 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)			(dBm)	(dBm)	(dB)
400	21.15	28.26	9.22	9.40	1.15	0.76	35.32	19.03	1.85
500	21.87	27.44	14.85	11.94	1.12	0.69	34.80	19.83	1.58
600	22.15	27.10	22.62	12.46	1.11	0.63	36.36	20.45	1.44
700	22.25	26.94	32.11	12.00	1.10	0.59	35.58	20.58	1.41
800	22.28	26.88	24.58	11.38	1.09	0.56	36.08	21.03	1.33
900	22.28	26.85	20.61	10.84	1.09	0.54	37.23	21.51	1.31
1000	22.27	26.85	18.43	10.42	1.09	0.53	36.67	21.43	1.25
1100	22.25	26.86	17.01	10.06	1.09	0.52	37.95	21.79	1.27
1200	22.21	26.87	16.03	9.79	1.09	0.52	37.89	21.76	1.31
1300	22.18	26.89	15.33	9.58	1.09	0.51	37.97	21.95	1.34
1400	22.11	26.93	14.76	9.36	1.09	0.51	37.03	21.98	1.35
1500	22.09	26.94	14.31	9.23	1.09	0.51	38.02	22.06	1.27
1600	22.06	26.97	13.89	9.11	1.09	0.51	37.22	21.83	1.42
1800	22.00	27.00	13.38	9.03	1.10	0.51	37.52	21.99	1.38
2000	21.95	27.02	13.06	9.08	1.10	0.52	37.24	21.96	1.34
2200	21.88	27.05	13.01	9.25	1.11	0.54	35.61	21.47	1.35
2400	21.82	27.10	13.10	9.59	1.12	0.56	34.89	21.73	1.35
2600	21.73	27.17	13.47	10.14	1.13	0.60	38.06	21.49	1.50
2800	21.67	27.21	14.06	11.00	1.15	0.63	39.38	21.21	1.57
3000	21.68	27.18	14.42	12.09	1.15	0.66	37.07	20.73	1.55
3200	21.71	27.14	14.31	13.36	1.15	0.68	36.14	20.74	1.54
3400	21.71	27.14	14.08	14.96	1.15	0.71	37.86	20.60	1.49
3600	21.69	27.15	13.63	16.96	1.15	0.74	37.59	20.06	1.61
3800	21.65	27.19	13.09	19.70	1.15	0.76	35.07	19.86	1.51
4000	21.59	27.25	12.50	23.69	1.16	0.79	34.59	19.67	1.54
4200	21.53	27.32	11.89	30.34	1.16	0.81	35.91	19.69	1.56
4400	21.47	27.40	11.32	38.96	1.17	0.82	35.44	19.81	1.58
4600	21.40	27.49	10.90	29.72	1.17	0.83	36.46	20.07	1.55
4800	21.34	27.57	10.58	25.26	1.18	0.84	34.92	19.76	1.54
5000	21.29	27.65	10.40	22.71	1.19	0.84	33.03	19.99	1.56
5200	21.27	27.72	10.30	21.29	1.20	0.85	33.71	20.32	1.60
5400	21.26	27.76	10.33	20.36	1.20	0.85	34.49	19.95	1.59
5600	21.26	27.79	10.47	19.78	1.20	0.84	35.25	20.25	1.57
6000	21.29	27.84	11.12	19.40	1.21	0.84	34.56	20.25	1.53
6500	21.29	27.98	12.11	18.94	1.22	0.84	35.20	20.09	1.61
7000	20.99	28.32	12.80	18.17	1.27	0.87	35.06	19.76	1.87
7500	20.56	28.76	9.29	16.27	1.25	0.98	32.98	18.87	1.94
8000	19.81	29.38	6.75	13.85	1.22	1.11	30.80	18.01	2.20
8500	18.64	30.24	5.00	11.55	1.21	1.22	28.94	17.48	2.47
9000	17.10	30.96	3.89	9.41	1.22	1.28	27.53	16.63	2.84
9500	15.40	31.69	3.18	8.07	1.30	1.29	26.89	16.11	3.31
10000	13.05	32.60	2.81	8.64	1.84	1.34	25.11	14.28	3.92

## 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 = 89.85mA @ 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)			(dBm)	(dBm)	(dB)
400	20.42	27.44	11.36	8.01	1.14	0.67	33.86	20.30	1.45
500	21.02	26.74	20.68	9.12	1.11	0.60	31.84	21.13	1.28
600	21.20	26.50	20.79	8.85	1.10	0.55	31.30	21.66	1.17
700	21.22	26.43	16.10	8.35	1.09	0.51	31.83	21.92	1.08
800	21.20	26.41	13.78	7.94	1.09	0.49	31.06	22.18	1.04
900	21.16	26.42	12.49	7.58	1.08	0.47	30.53	22.27	1.06
1000	21.14	26.42	11.66	7.38	1.08	0.46	31.22	22.39	1.03
1100	21.10	26.45	11.09	7.17	1.08	0.45	30.33	22.48	1.04
1200	21.06	26.47	10.59	6.99	1.08	0.44	30.46	22.59	1.06
1300	21.02	26.50	10.21	6.84	1.08	0.44	30.19	22.65	1.08
1400	20.95	26.54	9.91	6.67	1.08	0.43	30.09	22.70	1.10
1500	20.92	26.57	9.64	6.53	1.08	0.43	30.05	22.70	1.04
1600	20.89	26.60	9.41	6.43	1.08	0.43	30.08	22.62	1.12
1800	20.84	26.63	9.07	6.29	1.08	0.42	30.11	22.66	1.15
2000	20.83	26.62	8.98	6.30	1.08	0.42	30.13	22.69	1.08
2200	20.81	26.62	9.02	6.32	1.08	0.43	29.49	22.58	1.09
2400	20.78	26.64	9.03	6.39	1.09	0.44	28.88	22.77	1.06
2600	20.77	26.65	9.39	6.67	1.09	0.46	30.17	22.63	1.20
2800	20.79	26.62	10.14	7.22	1.11	0.49	30.19	22.46	1.23
3000	20.95	26.46	11.09	7.94	1.11	0.51	31.34	22.11	1.22
3200	21.11	26.30	11.70	8.45	1.10	0.51	29.38	22.10	1.18
3400	21.23	26.19	12.51	9.13	1.09	0.52	31.19	22.02	1.13
3600	21.32	26.10	13.45	9.91	1.09	0.54	30.74	21.29	1.22
3800	21.42	26.02	14.95	11.11	1.09	0.56	32.60	21.12	1.11
4000	21.49	25.96	16.56	12.43	1.10	0.58	32.63	20.53	1.18
4200	21.54	25.95	17.76	13.79	1.10	0.59	30.32	20.15	1.14
4400	21.57	25.94	18.35	15.32	1.10	0.61	31.53	20.13	1.19
4600	21.59	25.97	18.52	16.74	1.10	0.62	32.74	20.38	1.12
4800	21.58	26.02	18.51	17.99	1.11	0.64	32.80	19.71	1.09
5000	21.59	26.07	18.72	19.49	1.11	0.65	34.27	20.02	1.15
5200	21.60	26.12	18.70	21.27	1.12	0.66	35.33	20.28	1.14
5400	21.63	26.16	18.23	22.97	1.12	0.66	33.63	19.76	1.15
5600	21.66	26.20	18.27	23.73	1.12	0.66	34.10	20.37	1.13
6000	21.73	26.30	18.74	26.29	1.12	0.67	35.96	20.47	1.12
6500	21.83	26.50	21.46	25.65	1.14	0.67	34.75	20.57	1.15
7000	21.78	26.85	26.09	20.25	1.16	0.68	34.01	20.77	1.35
7500	21.75	27.27	15.79	20.33	1.18	0.73	30.74	19.03	1.48
8000	21.51	27.92	10.49	22.27	1.18	0.86	29.40	17.53	1.71
8500	20.93	28.96	7.25	23.33	1.19	1.05	29.03	16.31	1.96
9000	19.80	30.15	5.26	13.39	1.21	1.18	28.46	14.90	2.22
9500	18.44	31.41	3.98	9.48	1.23	1.22	27.59	13.85	2.57
10000	16.62	32.60	3.08	8.42	1.38	1.27	27.07	13.02	3.02

## 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 = 65.62mA @ 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)			(dBm)	(dBm)	(dB)
400	19.84	26.86	10.44	8.82	1.15	0.72	33.81	16.13	1.45
500	20.48	26.12	18.46	10.43	1.12	0.65	33.71	17.43	1.27
600	20.70	25.84	27.30	10.31	1.11	0.59	34.48	18.59	1.18
700	20.76	25.74	20.04	9.77	1.10	0.55	34.37	18.94	1.12
800	20.76	25.71	16.64	9.28	1.09	0.53	34.41	19.61	1.08
900	20.74	25.70	14.86	8.85	1.09	0.51	33.55	19.91	1.08
1000	20.73	25.70	13.75	8.61	1.09	0.50	34.77	20.01	1.07
1100	20.70	25.71	13.01	8.35	1.09	0.49	33.07	20.16	1.06
1200	20.67	25.74	12.37	8.14	1.09	0.48	33.28	20.26	1.09
1300	20.64	25.76	11.91	7.95	1.09	0.47	33.23	20.36	1.11
1400	20.57	25.80	11.49	7.75	1.09	0.47	32.63	20.41	1.08
1500	20.55	25.84	11.17	7.57	1.09	0.47	32.23	20.42	1.05
1600	20.52	25.87	10.85	7.47	1.09	0.47	32.36	20.33	1.17
1800	20.47	25.91	10.43	7.31	1.09	0.46	32.38	20.44	1.15
2000	20.46	25.92	10.29	7.33	1.09	0.47	32.00	20.45	1.10
2200	20.43	25.94	10.28	7.36	1.09	0.47	30.38	20.09	1.10
2400	20.38	26.00	10.26	7.46	1.10	0.49	29.72	20.34	1.08
2600	20.35	26.03	10.64	7.80	1.11	0.51	31.44	20.23	1.22
2800	20.34	26.06	11.46	8.47	1.13	0.55	31.31	19.94	1.29
3000	20.47	25.95	12.42	9.36	1.13	0.57	30.67	19.50	1.24
3200	20.60	25.84	12.86	10.03	1.12	0.58	29.44	19.35	1.20
3400	20.69	25.77	13.49	10.88	1.11	0.60	31.17	19.03	1.17
3600	20.75	25.73	14.04	11.87	1.11	0.62	30.25	18.11	1.21
3800	20.82	25.70	14.98	13.40	1.11	0.64	30.18	17.51	1.13
4000	20.87	25.69	15.74	15.09	1.11	0.66	29.58	17.01	1.16
4200	20.90	25.70	15.97	16.91	1.12	0.67	28.98	17.04	1.16
4400	20.92	25.73	15.78	19.11	1.12	0.69	29.28	17.16	1.18
4600	20.93	25.78	15.44	21.41	1.12	0.70	31.20	17.61	1.13
4800	20.92	25.85	15.23	23.41	1.13	0.71	29.70	16.86	1.12
5000	20.92	25.92	15.30	26.04	1.14	0.72	28.99	17.26	1.14
5200	20.94	25.98	15.24	28.88	1.14	0.72	29.51	17.85	1.17
5400	20.97	26.02	14.97	33.64	1.14	0.72	29.11	17.43	1.17
5600	21.02	26.07	15.09	34.71	1.14	0.72	30.36	18.23	1.15
6000	21.10	26.17	15.53	29.42	1.14	0.72	30.53	18.64	1.10
6500	21.23	26.36	17.37	25.75	1.15	0.72	31.48	18.85	1.15
7000	21.19	26.70	20.20	20.46	1.18	0.73	32.25	19.43	1.34
7500	21.10	27.15	13.89	20.14	1.19	0.80	29.44	17.99	1.48
8000	20.78	27.83	9.41	19.56	1.18	0.93	27.78	17.26	1.70
8500	20.10	28.90	6.53	17.98	1.18	1.11	26.79	16.97	1.99
9000	18.91	30.04	4.82	12.26	1.19	1.22	25.99	16.33	2.27
9500	17.57	31.19	3.71	9.19	1.21	1.25	25.14	15.55	2.55
10000	15.79	32.29	2.93	8.52	1.38	1.31	24.63	14.54	3.03

## 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 = 95.20mA @ 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)			(dBm)	(dBm)	(dB)
400	20.48	27.49	11.58	7.88	1.14	0.66	33.39	21.10	1.45
500	21.07	26.79	20.98	8.92	1.11	0.59	31.63	21.76	1.25
600	21.23	26.57	19.77	8.63	1.10	0.54	30.90	22.17	1.19
700	21.24	26.50	15.44	8.13	1.09	0.50	31.38	22.42	1.11
800	21.22	26.49	13.29	7.74	1.09	0.48	30.74	22.70	1.05
900	21.18	26.50	12.06	7.38	1.08	0.46	30.25	22.82	1.06
1000	21.15	26.51	11.28	7.18	1.08	0.45	30.80	22.92	1.03
1100	21.11	26.53	10.73	6.98	1.08	0.44	30.11	23.01	1.03
1200	21.07	26.56	10.26	6.81	1.08	0.44	30.16	23.13	1.05
1300	21.03	26.58	9.91	6.66	1.08	0.43	30.04	23.19	1.10
1400	20.96	26.63	9.62	6.50	1.08	0.43	29.86	23.23	1.06
1500	20.93	26.65	9.37	6.36	1.08	0.42	29.93	23.22	1.03
1600	20.90	26.68	9.14	6.27	1.08	0.42	29.87	23.16	1.14
1800	20.85	26.71	8.84	6.13	1.08	0.42	29.88	23.19	1.12
2000	20.84	26.69	8.73	6.14	1.08	0.41	29.98	23.22	1.11
2200	20.82	26.69	8.78	6.15	1.08	0.42	29.44	23.17	1.08
2400	20.80	26.71	8.79	6.22	1.08	0.43	28.87	23.33	1.08
2600	20.79	26.71	9.15	6.48	1.09	0.45	30.05	23.17	1.21
2800	20.81	26.68	9.89	7.01	1.10	0.48	30.06	23.03	1.26
3000	20.98	26.50	10.83	7.70	1.10	0.49	31.24	22.73	1.25
3200	21.15	26.33	11.44	8.19	1.09	0.49	29.41	22.76	1.17
3400	21.28	26.21	12.29	8.83	1.09	0.50	31.21	22.71	1.15
3600	21.37	26.12	13.27	9.58	1.09	0.52	30.90	22.04	1.19
3800	21.48	26.02	14.82	10.73	1.09	0.54	32.64	21.84	1.12
4000	21.56	25.96	16.58	11.99	1.09	0.56	32.38	21.27	1.14
4200	21.62	25.93	17.98	13.28	1.09	0.58	30.37	20.88	1.14
4400	21.65	25.92	18.93	14.71	1.10	0.59	31.53	20.84	1.15
4600	21.67	25.95	19.30	16.02	1.10	0.61	32.81	21.04	1.12
4800	21.67	25.99	19.47	17.18	1.10	0.62	33.22	20.35	1.10
5000	21.68	26.04	19.76	18.55	1.11	0.63	35.24	20.64	1.15
5200	21.69	26.09	19.70	20.14	1.11	0.64	36.69	20.85	1.16
5400	21.72	26.13	19.12	21.60	1.11	0.65	34.29	20.28	1.13
5600	21.75	26.16	19.14	22.26	1.11	0.65	34.44	20.85	1.14
6000	21.82	26.27	19.58	24.59	1.12	0.65	36.70	20.91	1.12
6500	21.92	26.46	22.62	24.46	1.13	0.65	35.17	20.97	1.15
7000	21.87	26.82	28.17	19.85	1.16	0.67	33.92	21.04	1.34
7500	21.86	27.24	16.37	20.01	1.17	0.72	31.27	19.18	1.47
8000	21.65	27.88	10.80	22.62	1.18	0.84	29.83	17.16	1.69
8500	21.11	28.91	7.45	25.37	1.19	1.03	29.81	15.40	1.97
9000	19.98	30.12	5.38	13.57	1.21	1.16	29.17	13.83	2.27
9500	18.62	31.44	4.03	9.46	1.23	1.21	28.41	12.97	2.55
10000	16.79	32.69	3.10	8.32	1.38	1.26	27.79	12.77	3.02



## 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 = 71.02mA @ 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)			(dBm)	(dBm)	(dB)
400	21.10	28.64	7.32	10.04	1.17	0.82	30.75	18.25	2.27
500	21.91	27.74	10.62	14.05	1.13	0.76	31.32	18.94	1.94
600	22.30	27.31	13.98	17.00	1.12	0.71	31.58	19.43	1.78
700	22.48	27.09	17.22	17.92	1.11	0.67	31.36	19.65	1.67
800	22.56	26.97	20.54	17.48	1.10	0.64	31.98	20.11	1.62
900	22.60	26.90	23.58	16.70	1.10	0.62	33.03	20.72	1.60
1000	22.62	26.87	25.86	16.04	1.10	0.61	31.82	20.69	1.56
1100	22.61	26.86	26.04	15.41	1.10	0.60	33.62	21.06	1.55
1200	22.59	26.86	25.11	14.97	1.10	0.59	33.93	21.01	1.58
1300	22.56	26.87	23.65	14.57	1.10	0.59	34.07	21.23	1.59
1400	22.52	26.89	22.11	14.26	1.10	0.59	34.12	21.33	1.62
1500	22.47	26.92	20.86	13.96	1.10	0.60	34.15	21.40	1.54
1600	22.45	26.93	19.71	13.81	1.10	0.60	34.59	21.25	1.63
1800	22.36	26.98	18.12	13.67	1.11	0.61	34.61	21.44	1.65
2000	22.26	27.03	16.82	13.76	1.11	0.63	34.03	21.48	1.63
2200	22.14	27.11	15.85	14.04	1.12	0.66	34.15	20.95	1.67
2400	22.00	27.22	15.02	14.69	1.13	0.69	35.39	21.21	1.65
2600	21.84	27.35	14.34	15.80	1.15	0.73	33.79	21.15	1.83
2800	21.69	27.46	13.55	17.51	1.16	0.76	33.11	20.85	1.88
3000	21.58	27.53	12.59	19.84	1.17	0.80	31.74	20.49	1.88
3200	21.47	27.60	11.53	22.73	1.17	0.83	33.23	20.35	1.87
3400	21.35	27.70	10.60	25.57	1.17	0.87	31.86	20.30	1.85
3600	21.21	27.81	9.78	25.15	1.17	0.90	31.43	19.78	1.94
3800	21.06	27.92	9.08	22.25	1.18	0.92	30.41	19.57	1.89
4000	20.91	28.05	8.49	19.55	1.18	0.94	30.11	19.44	1.95
4200	20.76	28.17	8.02	17.54	1.19	0.95	31.27	19.53	1.98
4400	20.62	28.29	7.60	15.98	1.19	0.96	30.77	19.64	1.99
4600	20.49	28.40	7.32	14.84	1.20	0.97	30.88	19.77	1.98
4800	20.39	28.48	7.13	14.02	1.21	0.97	29.88	19.46	1.98
5000	20.32	28.52	7.07	13.49	1.21	0.97	29.09	19.51	2.01
5200	20.27	28.54	7.07	13.15	1.21	0.97	29.19	19.63	2.02
5400	20.24	28.53	7.12	12.89	1.21	0.96	29.57	19.31	2.00
5600	20.25	28.49	7.29	12.75	1.21	0.96	29.99	19.38	2.00
6000	20.27	28.36	7.83	12.88	1.20	0.95	29.13	19.05	1.94
6500	20.16	28.27	8.44	12.87	1.19	0.96	29.22	18.55	2.05
7000	19.54	28.54	8.94	12.53	1.27	0.99	28.34	17.93	2.38
7500	18.79	28.80	6.57	11.18	1.18	1.10	27.82	17.42	2.43
8000	17.68	29.22	5.09	9.88	1.14	1.19	26.43	16.85	2.74
8500	16.24	29.80	4.07	8.76	1.15	1.25	25.08	16.26	3.04
9000	14.54	30.28	3.40	7.79	1.22	1.27	23.77	15.47	3.48
9500	12.63	30.93	2.93	7.25	1.43	1.28	23.26	14.93	4.09
10000	10.03	31.97	2.72	7.99	2.27	1.32	21.26	12.54	4.78

## 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 = 53.86mA @ 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)			(dBm)	(dBm)	(dB)
400	20.16	27.97	6.85	10.03	1.18	0.84	27.76	16.35	2.31
500	21.01	27.04	9.77	14.13	1.14	0.78	28.37	16.98	1.99
600	21.42	26.59	12.61	17.88	1.13	0.73	28.31	17.42	1.82
700	21.62	26.35	15.24	20.09	1.11	0.69	28.11	17.77	1.72
800	21.72	26.22	17.73	20.30	1.11	0.66	28.49	18.31	1.64
900	21.78	26.14	19.89	19.52	1.10	0.64	29.42	19.06	1.64
1000	21.80	26.10	21.71	18.70	1.10	0.63	28.68	19.08	1.59
1100	21.80	26.08	22.65	17.86	1.10	0.62	30.08	19.46	1.59
1200	21.79	26.08	23.05	17.27	1.10	0.62	30.09	19.45	1.60
1300	21.76	26.09	22.45	16.75	1.10	0.62	29.96	19.69	1.64
1400	21.73	26.11	21.62	16.33	1.10	0.62	30.32	19.78	1.64
1500	21.68	26.14	20.50	15.92	1.11	0.62	30.22	19.88	1.61
1600	21.66	26.16	19.60	15.74	1.11	0.63	30.42	19.77	1.67
1800	21.58	26.21	18.00	15.53	1.11	0.64	30.65	20.01	1.70
2000	21.48	26.28	16.64	15.60	1.12	0.66	30.59	20.02	1.65
2200	21.36	26.37	15.51	15.91	1.12	0.69	30.09	19.49	1.68
2400	21.21	26.50	14.58	16.65	1.14	0.72	31.54	19.70	1.67
2600	21.05	26.64	13.74	17.96	1.15	0.76	29.99	19.84	1.86
2800	20.89	26.78	12.87	19.98	1.17	0.79	29.50	19.58	1.89
3000	20.76	26.87	11.85	22.40	1.17	0.83	28.15	19.31	1.91
3200	20.65	26.97	10.81	24.18	1.17	0.86	29.18	18.92	1.92
3400	20.51	27.08	9.90	23.55	1.17	0.89	28.28	18.92	1.89
3600	20.37	27.21	9.13	21.17	1.17	0.92	27.93	18.31	1.99
3800	20.22	27.35	8.47	18.80	1.17	0.94	27.03	18.06	1.94
4000	20.07	27.48	7.94	16.89	1.18	0.96	26.92	17.90	2.00
4200	19.92	27.61	7.49	15.42	1.18	0.97	27.92	18.03	2.01
4400	19.78	27.73	7.13	14.26	1.18	0.98	27.43	18.23	2.04
4600	19.67	27.84	6.88	13.38	1.19	0.98	27.60	18.45	2.03
4800	19.58	27.92	6.71	12.75	1.19	0.98	26.81	18.25	2.00
5000	19.52	27.96	6.66	12.34	1.20	0.98	26.10	18.45	2.04
5200	19.49	27.97	6.68	12.08	1.20	0.97	26.34	18.69	2.05
5400	19.48	27.95	6.73	11.88	1.19	0.97	26.61	18.38	2.06
5600	19.50	27.90	6.91	11.77	1.19	0.96	27.10	18.41	2.04
6000	19.56	27.75	7.43	11.90	1.18	0.95	26.55	18.25	1.99
6500	19.48	27.65	8.05	11.90	1.16	0.96	26.66	17.69	2.08
7000	18.87	27.91	8.62	11.67	1.24	0.99	26.08	17.13	2.44
7500	18.12	28.20	6.37	10.52	1.15	1.10	25.56	16.55	2.48
8000	17.02	28.65	4.98	9.40	1.11	1.19	24.28	16.01	2.77
8500	15.58	29.30	4.00	8.40	1.14	1.24	23.08	15.67	3.09
9000	13.89	29.85	3.35	7.52	1.22	1.26	21.80	15.08	3.54
9500	11.99	30.56	2.89	7.03	1.44	1.26	21.29	14.73	4.16
10000	9.39	31.68	2.70	7.84	2.35	1.31	19.51	12.15	4.89



## 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 = 6.25V, Id = 75.58mA @ 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)			(dBm)	(dBm)	(dB)
400	21.27	28.77	7.39	10.03	1.16	0.82	31.48	18.84	2.27
500	22.08	27.88	10.78	14.01	1.13	0.76	31.95	19.48	1.95
600	22.46	27.45	14.20	16.81	1.12	0.70	32.08	19.95	1.77
700	22.63	27.23	17.60	17.59	1.11	0.66	32.02	20.17	1.65
800	22.72	27.11	21.07	17.12	1.10	0.63	32.61	20.59	1.61
900	22.76	27.05	24.31	16.34	1.10	0.61	33.50	21.12	1.59
1000	22.77	27.02	26.61	15.70	1.10	0.60	32.45	21.15	1.54
1100	22.77	27.00	26.37	15.10	1.10	0.59	34.33	21.48	1.55
1200	22.74	27.01	25.24	14.67	1.10	0.59	35.04	21.44	1.57
1300	22.71	27.02	23.54	14.29	1.10	0.59	34.68	21.61	1.58
1400	22.67	27.03	22.05	13.99	1.10	0.59	34.85	21.70	1.59
1500	22.61	27.07	20.78	13.70	1.10	0.60	34.99	21.77	1.55
1600	22.59	27.08	19.66	13.56	1.10	0.60	35.12	21.62	1.62
1800	22.50	27.13	18.09	13.43	1.11	0.61	35.73	21.82	1.65
2000	22.41	27.17	16.81	13.52	1.11	0.63	35.42	21.84	1.62
2200	22.28	27.26	15.84	13.80	1.12	0.65	34.98	21.33	1.64
2400	22.14	27.36	15.06	14.44	1.13	0.68	36.72	21.58	1.66
2600	21.99	27.48	14.41	15.52	1.15	0.72	34.37	21.45	1.80
2800	21.84	27.59	13.65	17.19	1.16	0.76	33.83	21.19	1.83
3000	21.72	27.66	12.70	19.46	1.17	0.80	32.29	20.80	1.87
3200	21.62	27.73	11.64	22.39	1.17	0.83	34.05	20.70	1.87
3400	21.50	27.82	10.70	25.64	1.17	0.86	32.59	20.63	1.86
3600	21.36	27.92	9.86	25.93	1.17	0.89	32.10	20.16	1.94
3800	21.21	28.04	9.16	22.96	1.18	0.92	31.12	19.95	1.90
4000	21.05	28.16	8.58	20.06	1.18	0.94	30.78	19.85	1.95
4200	20.91	28.28	8.08	17.91	1.19	0.95	31.88	19.87	1.96
4400	20.76	28.40	7.67	16.27	1.20	0.96	31.37	19.94	2.03
4600	20.64	28.50	7.39	15.07	1.20	0.97	31.64	20.08	1.97
4800	20.53	28.59	7.19	14.21	1.21	0.97	30.69	19.74	1.96
5000	20.45	28.63	7.12	13.66	1.21	0.97	29.80	19.71	2.01
5200	20.41	28.65	7.12	13.31	1.22	0.96	29.82	19.82	2.00
5400	20.37	28.64	7.17	13.05	1.22	0.96	30.18	19.50	2.02
5600	20.38	28.60	7.35	12.89	1.21	0.95	30.51	19.54	2.01
6000	20.39	28.47	7.89	13.04	1.21	0.95	29.86	19.22	1.96
6500	20.28	28.38	8.51	13.04	1.20	0.96	29.67	18.72	2.03
7000	19.65	28.65	8.98	12.69	1.28	0.99	28.89	18.10	2.39
7500	18.89	28.90	6.57	11.29	1.19	1.10	28.33	17.56	2.45
8000	17.78	29.31	5.11	9.96	1.14	1.19	26.94	16.98	2.71
8500	16.33	29.89	4.08	8.81	1.16	1.25	25.57	16.32	3.02
9000	14.64	30.35	3.41	7.83	1.22	1.27	24.17	15.54	3.48
9500	12.73	31.00	2.93	7.28	1.43	1.28	23.63	14.95	4.08
10000	10.13	32.01	2.73	8.00	2.26	1.32	21.70	12.57	4.82