

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 = 4V, Id = 54.09mA, R1=267 Ohms @ Temperature = +25degC

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	FREQ	Noise Figure
					K	Measure				
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(MHz)	(dB)
500.0	21.78	42.23	2.02	6.93	1.92	1.23	27.48	16.87	500.0	1.18
525.0	22.53	41.02	2.59	7.73	1.89	1.21	27.95	17.34	600.0	1.01
550.0	23.13	40.30	3.28	8.57	1.92	1.19	27.79	17.75	700.0	0.51
575.0	23.59	39.70	4.08	9.45	1.97	1.16	27.79	18.12	800.0	0.47
600.0	23.94	38.83	4.97	10.31	1.94	1.12	28.24	18.25	900.0	0.37
625.0	24.18	38.76	5.96	11.21	2.04	1.09	28.29	18.88	1000.0	0.39
650.0	24.32	38.36	7.04	12.10	2.06	1.06	28.58	19.09	1100.0	0.43
675.0	24.40	37.86	8.21	12.90	2.06	1.02	28.79	19.35	1200.0	0.51
700.0	24.43	38.04	9.45	13.64	2.18	1.01	29.24	19.57	1300.0	0.41
725.0	24.40	37.80	10.77	14.36	2.20	0.99	29.44	19.58	1400.0	0.55
750.0	24.33	37.95	12.21	15.02	2.31	0.97	29.69	19.91	1500.0	0.61
775.0	24.25	37.63	13.78	15.57	2.30	0.96	30.06	19.94	1600.0	0.60
800.0	24.14	37.66	15.47	16.12	2.37	0.95	30.42	19.85	1700.0	0.58
825.0	24.02	37.52	17.41	16.70	2.39	0.95	30.54	20.22	1800.0	0.74
850.0	23.88	37.50	19.50	17.20	2.44	0.94	30.40	20.22	1900.0	0.68
875.0	23.73	37.50	21.84	17.71	2.49	0.94	30.84	19.99	2000.0	0.78
900.0	23.58	37.31	24.22	18.16	2.49	0.94	30.53	20.53	2100.0	0.76
925.0	23.42	37.40	26.19	18.51	2.56	0.95	30.94	20.18	2200.0	0.81
950.0	23.26	37.59	27.29	18.85	2.66	0.95	30.95	20.07	2300.0	0.92
975.0	23.10	37.56	26.41	19.15	2.70	0.95	30.49	20.28	2400.0	0.95
1000.0	22.93	37.52	24.92	19.33	2.74	0.96	30.25	20.02	2500.0	1.09
1050.0	22.60	37.72	22.00	19.47	2.89	0.96	30.84	20.02	2600.0	1.04
1100.0	22.27	37.43	19.69	19.29	2.88	0.97	30.74	20.00	2700.0	1.19
1150.0	21.94	37.53	17.93	18.72	3.00	0.98	30.71	20.02	2800.0	1.21
1200.0	21.62	37.66	16.93	18.08	3.12	0.98	30.64	20.06	2900.0	1.25
1250.0	21.30	37.84	15.96	17.18	3.27	0.99	30.37	20.10	3000.0	1.16
1300.0	20.99	37.78	15.35	16.24	3.32	0.99	30.44	19.81	3100.0	1.46
1350.0	20.68	37.72	14.83	15.27	3.38	0.99	30.39	19.58	3200.0	1.46
1400.0	20.38	37.76	14.26	14.36	3.46	0.99	30.21	19.36	3300.0	1.51
1500.0	19.78	37.99	13.41	12.69	3.69	0.99	30.35	19.58	3400.0	1.59
1550.0	19.47	38.16	13.13	11.92	3.83	0.98	29.89	18.84	3500.0	1.49
1600.0	19.18	38.04	12.91	11.19	3.84	0.97	30.04	18.92	3600.0	1.75
1700.0	18.59	38.11	12.40	9.85	3.98	0.95	29.43	18.19	3700.0	1.78
1800.0	17.99	38.52	11.88	8.73	4.26	0.93	29.60	18.25	3800.0	1.77
1900.0	17.37	38.65	11.50	7.76	4.42	0.90	29.74	18.07	3900.0	1.84
2000.0	16.73	38.95	11.33	7.25	4.78	0.88	29.02	17.45	4000.0	1.78
2100.0	16.25	39.04	11.02	6.38	4.79	0.84	29.18	17.40		
2200.0	15.69	39.02	10.74	5.66	4.78	0.81	29.04	17.34		
2300.0	15.12	39.54	10.55	5.10	5.11	0.77	28.59	16.44		
2400.0	14.53	39.69	10.27	4.60	5.20	0.73	27.88	15.96		
2500.0	13.95	39.71	10.05	4.19	5.25	0.70	28.02	15.58		
2600.0	13.38	40.18	9.92	3.83	5.58	0.66	27.18	15.10		
2700.0	12.81	39.59	9.71	3.51	5.21	0.63	27.03	14.84		
2800.0	12.24	39.75	9.48	3.25	5.34	0.60	26.66	14.26		
2900.0	11.70	39.38	9.36	3.02	5.15	0.58	26.49	13.97		
3000.0	11.17	39.44	9.21	2.83	5.23	0.55	25.59	13.54		
3100.0	10.65	39.19	9.00	2.62	5.06	0.53	25.64	13.10		
3200.0	10.14	38.88	8.93	2.46	4.91	0.51	24.56	12.46		
3300.0	9.67	38.08	8.81	2.29	4.43	0.48	24.57	12.11		
3400.0	9.20	38.03	8.68	2.14	4.38	0.46	24.03	11.83		
3500.0	8.74	37.19	8.56	2.02	3.97	0.44	23.31	11.43		
3600.0	8.26	36.71	8.50	1.92	3.79	0.43	23.01	10.94		
3700.0	7.85	36.22	8.32	1.86	3.62	0.42	22.59	10.60		
3800.0	7.41	35.38	8.17	1.75	3.23	0.40	22.07	10.37		
3900.0	6.98	34.60	8.24	1.72	3.06	0.40	21.48	9.86		
4000.0	6.60	33.52	8.12	1.68	2.72	0.40	21.64	9.63		



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 = 3.8V, Id = 50.72mA, R1=267 Ohms @ Temperature = +25degC

FREQ (MHz)	Gain (dB)	Isolation (dB)	Input Return Loss (dB)	Output Return Loss (dB)	Stability		IP-3 Output (dBm)	1dB Comp. Output (dBm)	FREQ (MHz)	Noise Figure (dB)
					K	Measure				
500.0	21.62	41.85	2.00	6.93	1.87	1.23	26.95	16.34	500.0	1.16
525.0	22.38	40.96	2.59	7.74	1.90	1.21	27.32	16.79	600.0	1.01
550.0	22.99	39.98	3.27	8.59	1.89	1.19	27.42	17.22	700.0	0.52
575.0	23.46	39.30	4.08	9.49	1.92	1.15	27.48	17.62	800.0	0.49
600.0	23.82	38.92	4.99	10.38	1.98	1.12	27.72	17.73	900.0	0.45
625.0	24.06	38.22	5.98	11.31	1.96	1.08	27.83	18.37	1000.0	0.36
650.0	24.21	38.13	7.08	12.21	2.05	1.05	28.15	18.54	1100.0	0.45
675.0	24.29	37.79	8.28	13.02	2.07	1.02	28.33	18.84	1200.0	0.50
700.0	24.32	37.47	9.56	13.83	2.09	1.00	28.75	19.06	1300.0	0.43
725.0	24.29	37.43	10.93	14.56	2.15	0.98	29.16	19.08	1400.0	0.57
750.0	24.22	37.55	12.41	15.21	2.25	0.97	29.32	19.40	1500.0	0.60
775.0	24.14	37.23	14.06	15.84	2.24	0.95	29.99	19.43	1600.0	0.61
800.0	24.02	37.31	15.81	16.42	2.32	0.95	30.16	19.36	1700.0	0.58
825.0	23.90	37.13	17.82	16.99	2.33	0.94	30.16	19.70	1800.0	0.77
850.0	23.76	37.19	20.00	17.52	2.40	0.94	30.29	19.73	1900.0	0.68
875.0	23.61	37.10	22.28	18.03	2.43	0.94	30.85	19.51	2000.0	0.80
900.0	23.45	37.13	24.55	18.51	2.48	0.94	30.42	20.04	2100.0	0.79
925.0	23.29	37.10	25.87	18.85	2.52	0.95	30.71	19.68	2200.0	0.80
950.0	23.13	37.16	25.95	19.19	2.58	0.95	30.60	19.61	2300.0	0.88
975.0	22.97	37.21	24.77	19.47	2.64	0.95	30.55	19.82	2400.0	0.93
1000.0	22.80	37.20	23.26	19.64	2.68	0.96	30.05	19.57	2500.0	1.08
1050.0	22.47	37.33	20.74	19.78	2.80	0.97	30.35	19.57	2600.0	1.07
1100.0	22.14	37.26	18.70	19.50	2.86	0.97	30.48	19.55	2700.0	1.25
1150.0	21.80	37.51	17.14	18.89	3.03	0.98	30.57	19.60	2800.0	1.19
1200.0	21.48	37.34	16.20	18.14	3.05	0.99	30.68	19.62	2900.0	1.28
1250.0	21.16	37.39	15.32	17.25	3.15	0.99	30.38	19.68	3000.0	1.32
1300.0	20.85	37.39	14.73	16.23	3.22	0.99	29.97	19.37	3100.0	1.38
1350.0	20.53	37.51	14.25	15.26	3.34	0.99	30.28	19.15	3200.0	1.55
1400.0	20.23	37.50	13.74	14.33	3.40	1.00	29.67	18.96	3300.0	1.56
1500.0	19.62	37.72	12.94	12.65	3.62	0.99	29.88	19.17	3400.0	1.61
1550.0	19.32	37.80	12.70	11.86	3.72	0.98	29.83	18.43	3500.0	1.58
1600.0	19.02	37.90	12.48	11.15	3.82	0.98	29.87	18.53	3600.0	1.78
1700.0	18.43	38.18	12.03	9.82	4.05	0.96	29.32	17.80	3700.0	1.73
1800.0	17.83	38.38	11.53	8.70	4.24	0.93	29.56	17.83	3800.0	1.79
1900.0	17.21	38.79	11.16	7.73	4.54	0.91	29.09	17.65	3900.0	1.91
2000.0	16.56	38.50	11.04	7.21	4.59	0.89	28.62	17.07	4000.0	1.77
2100.0	16.09	38.88	10.71	6.35	4.75	0.85	28.62	17.01		
2200.0	15.53	38.83	10.48	5.64	4.72	0.81	28.80	16.92		
2300.0	14.95	39.28	10.28	5.07	5.00	0.77	27.75	15.92		
2400.0	14.37	39.60	10.04	4.56	5.20	0.73	27.36	15.46		
2500.0	13.78	39.85	9.85	4.17	5.39	0.70	27.16	15.15		
2600.0	13.21	40.21	9.71	3.81	5.65	0.66	26.22	14.50		
2700.0	12.64	39.97	9.51	3.49	5.50	0.63	26.05	14.30		
2800.0	12.07	39.55	9.27	3.23	5.26	0.60	25.77	13.89		
2900.0	11.54	39.52	9.18	3.01	5.29	0.58	25.41	13.45		
3000.0	11.00	39.44	9.04	2.81	5.27	0.55	24.53	12.99		
3100.0	10.48	39.27	8.84	2.61	5.16	0.53	24.69	12.52		
3200.0	9.97	39.01	8.76	2.44	5.03	0.51	23.56	11.90		
3300.0	9.50	38.38	8.65	2.27	4.63	0.48	23.54	11.57		
3400.0	9.03	37.87	8.52	2.13	4.33	0.46	23.01	11.30		
3500.0	8.57	37.16	8.42	2.01	3.99	0.44	22.24	10.79		
3600.0	8.08	36.84	8.37	1.90	3.87	0.43	22.01	10.32		
3700.0	7.68	36.31	8.18	1.85	3.68	0.42	21.58	10.04		
3800.0	7.24	35.22	8.04	1.74	3.20	0.41	21.17	9.81		
3900.0	6.81	35.13	8.08	1.73	3.33	0.40	20.56	9.30		
4000.0	6.44	33.75	7.98	1.68	2.84	0.40	20.73	9.03		



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 =4.2V, Id = 57.17mA, R1=267 Ohms @ Temperature = +25degC

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	FREQ	Noise Figure
					K	Measure				
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(MHz)	(dB)
500.0	21.93	42.37	2.03	6.92	1.92	1.23	28.05	17.28	500.0	1.15
525.0	22.67	41.37	2.61	7.72	1.93	1.21	28.24	17.78	600.0	0.92
550.0	23.25	40.64	3.29	8.54	1.96	1.19	28.26	18.21	700.0	0.50
575.0	23.71	40.04	4.08	9.40	2.00	1.16	28.32	18.58	800.0	0.48
600.0	24.06	39.41	4.96	10.26	2.02	1.12	28.52	18.72	900.0	0.41
625.0	24.29	38.99	5.93	11.14	2.05	1.09	28.51	19.31	1000.0	0.34
650.0	24.43	38.62	6.98	11.99	2.09	1.06	28.91	19.56	1100.0	0.42
675.0	24.51	38.47	8.13	12.73	2.15	1.03	29.18	19.81	1200.0	0.47
700.0	24.53	38.33	9.34	13.46	2.20	1.01	29.78	20.02	1300.0	0.41
725.0	24.50	38.02	10.63	14.14	2.22	0.99	30.12	20.02	1400.0	0.55
750.0	24.43	37.90	12.02	14.74	2.26	0.97	29.91	20.36	1500.0	0.61
775.0	24.35	37.94	13.53	15.30	2.34	0.96	30.48	20.36	1600.0	0.59
800.0	24.25	37.78	15.16	15.84	2.36	0.95	30.54	20.28	1700.0	0.59
825.0	24.12	37.92	16.99	16.39	2.46	0.95	30.63	20.64	1800.0	0.74
850.0	23.98	37.81	18.99	16.88	2.49	0.95	30.80	20.63	1900.0	0.67
875.0	23.84	37.80	21.19	17.36	2.54	0.95	30.97	20.40	2000.0	0.80
900.0	23.69	37.86	23.69	17.79	2.61	0.95	30.83	20.93	2100.0	0.77
925.0	23.53	37.94	26.21	18.10	2.68	0.95	31.22	20.59	2200.0	0.77
950.0	23.38	37.79	28.14	18.48	2.69	0.95	31.36	20.49	2300.0	0.91
975.0	23.22	37.99	28.05	18.75	2.80	0.95	30.97	20.70	2400.0	0.93
1000.0	23.05	37.85	26.63	18.98	2.80	0.96	30.92	20.42	2500.0	1.05
1050.0	22.73	38.18	23.46	19.21	3.00	0.96	30.90	20.42	2600.0	1.06
1100.0	22.40	38.02	20.79	19.04	3.04	0.97	31.15	20.38	2700.0	1.24
1150.0	22.07	38.02	18.82	18.61	3.13	0.98	30.78	20.40	2800.0	1.22
1200.0	21.76	37.96	17.71	18.00	3.19	0.98	30.89	20.45	2900.0	1.29
1250.0	21.44	38.05	16.67	17.20	3.31	0.98	30.69	20.47	3000.0	1.18
1300.0	21.13	38.12	15.97	16.25	3.42	0.99	30.68	20.15	3100.0	1.38
1350.0	20.82	38.13	15.41	15.34	3.50	0.99	30.40	19.95	3200.0	1.48
1400.0	20.52	38.27	14.81	14.44	3.63	0.99	30.17	19.74	3300.0	1.56
1500.0	19.92	38.29	13.87	12.78	3.78	0.98	30.25	19.92	3400.0	1.59
1550.0	19.62	38.45	13.59	12.00	3.92	0.98	30.03	19.20	3500.0	1.52
1600.0	19.33	38.38	13.34	11.28	3.96	0.97	30.08	19.30	3600.0	1.72
1700.0	18.74	38.51	12.81	9.94	4.13	0.95	29.68	18.55	3700.0	1.80
1800.0	18.15	38.80	12.25	8.81	4.36	0.93	29.75	18.62	3800.0	1.89
1900.0	17.53	39.09	11.81	7.83	4.61	0.90	29.80	18.40	3900.0	1.86
2000.0	16.88	38.95	11.68	7.31	4.74	0.88	29.36	17.83	4000.0	1.83
2100.0	16.42	39.53	11.29	6.45	5.03	0.84	29.38	17.77		
2200.0	15.86	39.45	11.00	5.72	4.99	0.80	29.30	17.73		
2300.0	15.29	40.02	10.78	5.15	5.36	0.77	28.73	16.76		
2400.0	14.70	39.57	10.51	4.64	5.10	0.73	28.42	16.33		
2500.0	14.12	39.78	10.26	4.22	5.25	0.70	28.40	16.06		
2600.0	13.55	40.16	10.13	3.87	5.53	0.66	27.92	15.48		
2700.0	12.98	40.06	9.90	3.55	5.47	0.63	27.51	15.14		
2800.0	12.41	39.86	9.66	3.28	5.36	0.60	27.38	14.80		
2900.0	11.88	39.60	9.54	3.05	5.24	0.58	27.24	14.40		
3000.0	11.34	39.38	9.38	2.85	5.15	0.55	26.31	13.96		
3100.0	10.82	39.18	9.16	2.65	5.02	0.53	26.46	13.56		
3200.0	10.31	38.93	9.09	2.48	4.91	0.51	25.45	12.89		
3300.0	9.84	38.04	8.96	2.31	4.39	0.48	25.44	12.56		
3400.0	9.37	37.80	8.81	2.16	4.23	0.46	24.83	12.37		
3500.0	8.91	37.05	8.72	2.04	3.87	0.45	24.28	11.91		
3600.0	8.44	36.93	8.63	1.93	3.85	0.43	24.00	11.44		
3700.0	8.03	36.13	8.46	1.87	3.54	0.42	23.47	11.15		
3800.0	7.59	35.16	8.31	1.76	3.12	0.41	22.90	10.89		
3900.0	7.16	34.53	8.38	1.74	3.02	0.40	22.34	10.41		
4000.0	6.78	33.61	8.27	1.69	2.74	0.40	22.39	10.16		



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 = 4V, Id = 53.52mA, R1=267 Ohms @ Temperature = -45degC

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	FREQ	Noise Figure
					K	Measure				
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(MHz)	(dB)
500.0	22.14	42.36	1.83	6.64	1.76	1.22	27.38	16.47	500.0	0.73
525.0	22.88	41.83	2.37	7.39	1.86	1.22	27.85	16.94	600.0	0.71
550.0	23.47	41.10	2.99	8.15	1.89	1.20	27.90	17.37	700.0	0.26
575.0	23.94	40.30	3.71	8.97	1.91	1.17	27.84	17.72	800.0	0.23
600.0	24.30	39.63	4.52	9.78	1.92	1.13	28.14	17.85	900.0	0.20
625.0	24.54	39.31	5.40	10.62	1.98	1.10	28.67	18.46	1000.0	0.10
650.0	24.70	39.00	6.35	11.46	2.03	1.07	28.62	18.69	1100.0	0.18
675.0	24.79	38.72	7.39	12.24	2.08	1.05	29.06	19.03	1200.0	0.21
700.0	24.84	38.61	8.48	12.95	2.14	1.02	29.69	19.33	1300.0	0.17
725.0	24.82	38.15	9.63	13.66	2.12	1.00	29.85	19.40	1400.0	0.26
750.0	24.77	38.06	10.87	14.28	2.18	0.98	30.01	19.72	1500.0	0.31
775.0	24.70	37.97	12.16	14.81	2.22	0.97	30.44	19.78	1600.0	0.30
800.0	24.60	37.99	13.49	15.32	2.29	0.96	30.91	19.73	1700.0	0.26
825.0	24.49	37.92	14.96	15.83	2.33	0.95	30.91	20.08	1800.0	0.37
850.0	24.36	38.08	16.49	16.30	2.43	0.95	30.64	20.09	1900.0	0.31
875.0	24.22	37.99	18.06	16.75	2.47	0.95	31.03	19.89	2000.0	0.40
900.0	24.08	37.85	19.86	17.19	2.48	0.95	30.95	20.43	2100.0	0.40
925.0	23.93	37.91	21.76	17.55	2.55	0.95	31.10	20.07	2200.0	0.37
950.0	23.79	37.78	23.93	17.90	2.56	0.95	31.27	20.00	2300.0	0.47
975.0	23.63	37.83	25.88	18.27	2.62	0.95	31.17	20.19	2400.0	0.49
1000.0	23.48	37.77	27.10	18.50	2.65	0.95	30.40	19.96	2500.0	0.60
1050.0	23.16	38.02	26.53	18.89	2.82	0.96	30.80	19.97	2600.0	0.59
1100.0	22.84	38.14	23.74	18.75	2.95	0.96	30.79	19.93	2700.0	0.73
1150.0	22.53	37.99	21.32	18.34	2.98	0.97	30.61	19.97	2800.0	0.66
1200.0	22.22	37.81	20.00	17.88	3.01	0.97	30.64	20.00	2900.0	0.71
1250.0	21.91	37.90	18.66	17.19	3.12	0.97	30.49	20.05	3000.0	0.69
1300.0	21.61	37.90	17.77	16.32	3.19	0.97	30.26	19.74	3100.0	0.83
1350.0	21.31	37.88	17.04	15.35	3.26	0.97	30.37	19.52	3200.0	0.87
1400.0	21.01	37.99	16.29	14.43	3.37	0.97	30.27	19.35	3300.0	0.87
1500.0	20.43	38.03	15.24	12.75	3.52	0.97	29.96	19.55	3400.0	0.94
1550.0	20.13	38.32	14.85	12.02	3.70	0.96	29.76	18.82	3500.0	0.88
1600.0	19.84	38.10	14.50	11.32	3.67	0.96	29.80	18.90	3600.0	0.97
1700.0	19.27	38.33	13.80	9.94	3.86	0.94	29.37	18.15	3700.0	0.98
1800.0	18.68	38.66	13.22	8.76	4.09	0.91	29.63	18.21	3800.0	0.99
1900.0	18.06	39.14	12.66	7.75	4.41	0.89	29.20	17.92	3900.0	1.16
2000.0	17.39	38.79	12.36	7.26	4.43	0.87	28.83	17.37	4000.0	0.96
2100.0	16.96	39.42	11.96	6.37	4.71	0.83	28.97	17.28		
2200.0	16.41	38.98	11.61	5.60	4.44	0.79	28.71	17.20		
2300.0	15.84	39.66	11.26	5.02	4.80	0.75	28.17	16.26		
2400.0	15.26	39.78	10.91	4.50	4.86	0.71	27.73	15.89		
2500.0	14.67	40.05	10.74	4.06	5.01	0.67	27.55	15.53		
2600.0	14.10	40.20	10.48	3.68	5.09	0.64	26.80	15.06		
2700.0	13.54	40.12	10.12	3.37	5.01	0.61	26.55	14.83		
2800.0	12.97	40.45	9.92	3.11	5.23	0.58	26.21	14.42		
2900.0	12.43	39.83	9.77	2.88	4.87	0.55	25.97	14.08		
3000.0	11.89	39.81	9.49	2.72	4.91	0.54	25.12	13.69		
3100.0	11.38	39.46	9.32	2.52	4.69	0.51	25.19	13.15		
3200.0	10.87	39.58	9.25	2.35	4.77	0.49	24.23	12.66		
3300.0	10.41	38.87	9.00	2.18	4.31	0.46	24.13	12.36		
3400.0	9.99	38.43	8.90	2.04	4.05	0.44	23.76	12.12		
3500.0	9.54	37.71	8.84	1.86	3.61	0.41	23.03	11.66		
3600.0	9.07	37.31	8.59	1.75	3.42	0.40	22.79	11.24		
3700.0	8.69	36.58	8.48	1.70	3.17	0.39	22.32	10.88		
3800.0	8.27	35.72	8.47	1.58	2.79	0.37	21.97	10.74		
3900.0	7.86	35.43	8.39	1.56	2.79	0.37	21.31	10.29		
4000.0	7.52	34.20	8.24	1.51	2.40	0.36	21.57	10.01		



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 = 3.8V, Id = 50.44mA, R1=267 Ohms @ Temperature = -45degC

FREQ (MHz)	Gain (dB)	Isolation (dB)	Input Return Loss (dB)	Output Return Loss (dB)	Stability		IP-3 Output (dBm)	1dB Comp. Output (dBm)	FREQ (MHz)	Noise Figure (dB)
					K	Measure				
500.0	21.94	41.79	1.81	6.65	1.70	1.22	26.76	15.84	500.0	0.77
525.0	22.69	41.40	2.34	7.41	1.81	1.22	27.31	16.31	600.0	0.67
550.0	23.30	40.44	2.97	8.18	1.82	1.19	27.26	16.68	700.0	0.28
575.0	23.77	40.14	3.69	9.01	1.91	1.17	27.29	17.06	800.0	0.26
600.0	24.14	39.30	4.51	9.85	1.90	1.13	27.73	17.12	900.0	0.18
625.0	24.39	38.84	5.39	10.71	1.92	1.10	27.81	17.80	1000.0	0.17
650.0	24.56	38.70	6.37	11.59	2.01	1.07	28.29	18.00	1100.0	0.22
675.0	24.66	38.26	7.44	12.39	2.02	1.04	28.42	18.37	1200.0	0.27
700.0	24.71	38.15	8.55	13.16	2.08	1.02	29.06	18.61	1300.0	0.22
725.0	24.69	38.01	9.75	13.88	2.13	1.00	29.48	18.74	1400.0	0.31
750.0	24.64	37.73	11.02	14.53	2.15	0.98	29.31	19.07	1500.0	0.32
775.0	24.57	37.63	12.37	15.08	2.19	0.97	29.94	19.16	1600.0	0.33
800.0	24.46	37.64	13.76	15.65	2.25	0.96	30.24	19.13	1700.0	0.29
825.0	24.36	37.69	15.29	16.19	2.32	0.95	30.32	19.50	1800.0	0.41
850.0	24.22	37.56	16.87	16.64	2.35	0.95	30.33	19.53	1900.0	0.33
875.0	24.08	37.60	18.53	17.13	2.41	0.94	30.54	19.32	2000.0	0.43
900.0	23.94	37.47	20.34	17.57	2.43	0.94	30.28	19.84	2100.0	0.42
925.0	23.79	37.58	22.26	17.89	2.50	0.94	30.73	19.52	2200.0	0.40
950.0	23.64	37.52	24.30	18.28	2.53	0.94	30.68	19.46	2300.0	0.52
975.0	23.49	37.50	25.65	18.65	2.58	0.95	30.44	19.63	2400.0	0.55
1000.0	23.33	37.59	26.05	18.90	2.64	0.95	29.85	19.44	2500.0	0.63
1050.0	23.01	37.52	24.50	19.19	2.71	0.96	30.35	19.43	2600.0	0.64
1100.0	22.69	37.48	22.00	19.02	2.78	0.96	30.31	19.44	2700.0	0.77
1150.0	22.37	37.65	19.92	18.50	2.91	0.97	30.09	19.47	2800.0	0.72
1200.0	22.06	37.61	18.79	17.94	2.98	0.97	30.22	19.49	2900.0	0.72
1250.0	21.75	37.61	17.61	17.21	3.06	0.98	30.18	19.55	3000.0	0.71
1300.0	21.44	37.58	16.84	16.27	3.13	0.98	29.87	19.27	3100.0	0.74
1350.0	21.14	37.68	16.19	15.28	3.23	0.98	30.07	19.03	3200.0	0.91
1400.0	20.84	37.76	15.52	14.35	3.33	0.98	29.41	18.84	3300.0	0.91
1500.0	20.25	37.79	14.55	12.68	3.46	0.97	29.82	19.09	3400.0	1.02
1550.0	19.95	37.88	14.20	11.93	3.56	0.97	29.38	18.38	3500.0	0.91
1600.0	19.66	38.10	13.87	11.23	3.71	0.96	29.46	18.45	3600.0	1.11
1700.0	19.08	38.33	13.27	9.85	3.91	0.94	29.12	17.69	3700.0	1.07
1800.0	18.49	38.41	12.73	8.68	4.02	0.92	29.34	17.73	3800.0	1.03
1900.0	17.87	38.52	12.22	7.69	4.15	0.89	28.88	17.52	3900.0	1.18
2000.0	17.20	38.41	11.91	7.19	4.29	0.87	28.44	16.89	4000.0	0.97
2100.0	16.76	38.88	11.57	6.32	4.47	0.83	28.41	16.77		
2200.0	16.21	38.77	11.25	5.54	4.38	0.79	28.45	16.62		
2300.0	15.63	39.50	10.93	4.97	4.77	0.75	27.59	15.64		
2400.0	15.05	39.60	10.62	4.45	4.80	0.71	27.09	15.33		
2500.0	14.47	39.73	10.46	4.02	4.88	0.67	26.96	14.99		
2600.0	13.90	39.95	10.23	3.65	4.99	0.64	26.05	14.49		
2700.0	13.33	39.93	9.88	3.34	4.95	0.61	25.90	14.15		
2800.0	12.76	39.81	9.69	3.07	4.89	0.58	25.59	13.86		
2900.0	12.22	40.00	9.56	2.85	5.03	0.55	25.27	13.47		
3000.0	11.68	40.03	9.29	2.68	5.09	0.53	24.32	13.07		
3100.0	11.17	39.88	9.13	2.50	4.99	0.51	24.54	12.59		
3200.0	10.66	39.55	9.06	2.33	4.80	0.48	23.37	12.01		
3300.0	10.21	39.02	8.83	2.15	4.42	0.46	23.39	11.71		
3400.0	9.78	38.58	8.73	1.99	4.12	0.44	22.95	11.46		
3500.0	9.33	37.61	8.67	1.84	3.60	0.41	22.17	10.99		
3600.0	8.86	37.82	8.42	1.74	3.67	0.40	21.89	10.55		
3700.0	8.47	36.90	8.32	1.68	3.32	0.39	21.46	10.20		
3800.0	8.06	35.70	8.30	1.56	2.82	0.37	21.13	10.02		
3900.0	7.64	35.76	8.22	1.55	2.95	0.37	20.44	9.62		
4000.0	7.30	34.39	8.07	1.50	2.49	0.36	20.81	9.24		



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 = 4.2V, Id = 53.41mA, R1=267 Ohms @ Temperature = -45degC

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	FREQ	Noise Figure
					K	Measure				
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(MHz)	(dB)
500.0	22.17	42.83	1.83	6.61	1.81	1.23	27.53	16.93	500.0	0.76
525.0	22.91	42.14	2.36	7.36	1.90	1.22	28.13	17.36	600.0	0.73
550.0	23.50	41.28	2.98	8.10	1.91	1.20	27.94	17.74	700.0	0.29
575.0	23.96	40.40	3.69	8.89	1.92	1.16	27.95	18.10	800.0	0.26
600.0	24.32	40.20	4.49	9.66	2.01	1.14	28.24	18.28	900.0	0.21
625.0	24.56	39.66	5.35	10.51	2.03	1.11	28.46	18.89	1000.0	0.15
650.0	24.72	39.20	6.29	11.30	2.05	1.08	28.90	19.18	1100.0	0.23
675.0	24.82	39.09	7.31	12.05	2.13	1.05	29.22	19.49	1200.0	0.28
700.0	24.86	38.42	8.39	12.74	2.08	1.02	29.81	19.80	1300.0	0.18
725.0	24.85	38.55	9.52	13.40	2.19	1.00	30.33	19.88	1400.0	0.32
750.0	24.80	38.52	10.73	14.02	2.27	0.99	30.16	20.20	1500.0	0.34
775.0	24.73	38.29	12.00	14.52	2.28	0.97	30.75	20.27	1600.0	0.34
800.0	24.63	38.28	13.30	15.02	2.34	0.96	31.20	20.22	1700.0	0.28
825.0	24.53	38.24	14.73	15.50	2.40	0.96	31.00	20.56	1800.0	0.43
850.0	24.39	38.25	16.21	15.94	2.46	0.95	30.98	20.58	1900.0	0.36
875.0	24.26	38.22	17.75	16.39	2.51	0.95	31.28	20.39	2000.0	0.45
900.0	24.11	38.20	19.50	16.77	2.56	0.95	31.04	20.92	2100.0	0.41
925.0	23.97	38.32	21.33	17.13	2.64	0.95	31.39	20.55	2200.0	0.42
950.0	23.82	38.11	23.43	17.49	2.64	0.95	31.29	20.49	2300.0	0.49
975.0	23.67	38.37	25.32	17.83	2.76	0.95	31.46	20.70	2400.0	0.52
1000.0	23.52	38.31	26.76	18.11	2.79	0.95	30.77	20.47	2500.0	0.62
1050.0	23.20	38.26	26.85	18.46	2.87	0.96	31.06	20.43	2600.0	0.59
1100.0	22.89	38.38	24.25	18.39	3.01	0.96	30.82	20.43	2700.0	0.75
1150.0	22.57	38.38	21.76	18.06	3.09	0.97	30.91	20.46	2800.0	0.67
1200.0	22.27	38.25	20.35	17.65	3.14	0.97	30.99	20.48	2900.0	0.77
1250.0	21.96	38.23	18.98	17.06	3.22	0.97	30.89	20.53	3000.0	0.71
1300.0	21.66	38.34	18.06	16.22	3.34	0.97	30.44	20.23	3100.0	0.80
1350.0	21.35	38.45	17.28	15.30	3.46	0.97	30.49	19.99	3200.0	0.89
1400.0	21.06	38.68	16.54	14.40	3.63	0.97	30.06	19.80	3300.0	0.91
1500.0	20.48	38.41	15.46	12.78	3.66	0.97	30.24	20.01	3400.0	0.97
1550.0	20.18	38.35	15.04	12.04	3.70	0.96	29.71	19.27	3500.0	0.90
1600.0	19.89	38.61	14.66	11.33	3.87	0.96	29.82	19.35	3600.0	1.09
1700.0	19.32	38.76	13.96	9.96	4.04	0.94	29.40	18.57	3700.0	1.10
1800.0	18.74	39.00	13.37	8.79	4.24	0.91	29.77	18.62	3800.0	1.13
1900.0	18.12	39.41	12.78	7.79	4.54	0.89	29.27	18.39	3900.0	1.15
2000.0	17.44	39.25	12.48	7.31	4.67	0.87	28.69	17.77	4000.0	0.98
2100.0	17.01	40.02	12.08	6.41	5.04	0.83	28.78	17.70		
2200.0	16.47	39.91	11.71	5.63	4.94	0.79	28.81	17.54		
2300.0	15.90	40.18	11.35	5.04	5.09	0.75	28.08	16.73		
2400.0	15.32	39.84	11.01	4.53	4.88	0.71	27.67	16.33		
2500.0	14.74	39.86	10.84	4.08	4.89	0.68	27.43	15.92		
2600.0	14.17	40.31	10.59	3.70	5.14	0.64	26.95	15.45		
2700.0	13.61	40.01	10.22	3.39	4.95	0.61	26.60	15.27		
2800.0	13.03	40.42	10.02	3.12	5.20	0.58	26.33	14.90		
2900.0	12.49	39.96	9.90	2.89	4.95	0.55	26.01	14.51		
3000.0	11.96	39.66	9.62	2.73	4.82	0.54	25.27	14.15		
3100.0	11.45	39.34	9.45	2.54	4.63	0.51	25.30	13.72		
3200.0	10.94	39.47	9.39	2.36	4.71	0.48	24.37	13.04		
3300.0	10.49	38.96	9.13	2.19	4.36	0.46	24.29	12.74		
3400.0	10.06	38.32	9.03	2.04	3.98	0.44	23.97	12.60		
3500.0	9.62	37.39	8.99	1.87	3.49	0.42	23.28	12.16		
3600.0	9.15	37.33	8.71	1.77	3.43	0.40	23.01	11.74		
3700.0	8.77	36.74	8.62	1.71	3.24	0.39	22.63	11.42		
3800.0	8.35	35.54	8.61	1.59	2.75	0.37	22.23	11.29		
3900.0	7.94	35.20	8.54	1.57	2.73	0.37	21.66	10.77		
4000.0	7.60	33.95	8.41	1.51	2.33	0.36	21.87	10.52		



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 = 4V, Id = 53.86mA, R1=267 Ohms @ Temperature = +85degC

FREQ (MHz)	Gain (dB)	Isolation (dB)	Input Return Loss (dB)	Output Return Loss (dB)	Stability		IP-3 Output (dBm)	1dB Comp. Output (dBm)	FREQ (MHz)	Noise Figure (dB)
					K	Measure				
500.0	21.27	42.46	2.05	6.95	2.08	1.23	27.07	16.50	500.0	1.51
525.0	22.04	40.86	2.63	7.74	1.96	1.21	27.32	16.95	600.0	1.19
550.0	22.67	40.42	3.32	8.57	2.05	1.19	27.46	17.33	700.0	0.68
575.0	23.15	39.72	4.15	9.43	2.07	1.16	27.25	17.80	800.0	0.63
600.0	23.53	38.96	5.09	10.29	2.06	1.12	27.57	17.83	900.0	0.62
625.0	23.77	38.84	6.11	11.15	2.16	1.09	27.73	18.51	1000.0	0.55
650.0	23.93	38.28	7.24	11.98	2.14	1.05	27.80	18.71	1100.0	0.61
675.0	24.01	38.08	8.49	12.71	2.20	1.02	28.20	18.99	1200.0	0.71
700.0	24.04	38.16	9.80	13.37	2.31	1.00	28.57	19.24	1300.0	0.63
725.0	24.01	37.89	11.19	14.00	2.33	0.98	28.65	19.27	1400.0	0.76
750.0	23.94	37.92	12.74	14.57	2.41	0.97	28.95	19.60	1500.0	0.82
775.0	23.86	37.99	14.45	15.05	2.49	0.96	29.37	19.64	1600.0	0.84
800.0	23.74	37.91	16.30	15.56	2.54	0.95	29.50	19.60	1700.0	0.81
825.0	23.62	37.89	18.41	16.05	2.59	0.95	29.73	19.96	1800.0	0.99
850.0	23.47	37.59	20.66	16.54	2.57	0.94	29.71	19.96	1900.0	0.93
875.0	23.32	37.76	22.89	17.00	2.67	0.95	29.90	19.74	2000.0	1.08
900.0	23.17	37.78	24.51	17.43	2.73	0.95	30.04	20.25	2100.0	1.12
925.0	23.00	37.83	24.51	17.76	2.80	0.95	29.90	19.94	2200.0	1.12
950.0	22.84	37.99	23.59	18.06	2.90	0.96	30.16	19.85	2300.0	1.25
975.0	22.68	37.89	22.32	18.30	2.91	0.96	29.76	20.09	2400.0	1.29
1000.0	22.51	38.07	20.96	18.46	3.02	0.96	29.41	19.80	2500.0	1.45
1050.0	22.17	37.92	18.95	18.50	3.07	0.97	29.65	19.85	2600.0	1.48
1100.0	21.83	38.14	17.27	18.32	3.23	0.98	29.93	19.82	2700.0	1.65
1150.0	21.50	38.49	15.95	18.00	3.46	0.99	30.07	19.87	2800.0	1.65
1200.0	21.18	38.29	15.03	17.52	3.47	1.00	30.09	19.93	2900.0	1.72
1250.0	20.85	38.36	14.21	16.93	3.59	1.00	29.86	19.93	3000.0	1.78
1300.0	20.53	38.50	13.73	16.07	3.74	1.01	29.63	19.65	3100.0	1.87
1350.0	20.22	38.51	13.31	15.18	3.82	1.01	29.42	19.44	3200.0	1.96
1400.0	19.92	38.57	12.90	14.32	3.93	1.01	29.36	19.26	3300.0	2.00
1500.0	19.31	38.68	12.15	12.75	4.14	1.00	29.52	19.47	3400.0	2.13
1550.0	19.01	38.77	11.90	12.03	4.26	1.00	29.22	18.73	3500.0	2.13
1600.0	18.72	39.16	11.72	11.36	4.53	0.99	29.29	18.84	3600.0	2.35
1700.0	18.14	39.33	11.38	10.05	4.76	0.97	28.88	18.09	3700.0	2.33
1800.0	17.53	39.65	10.93	8.94	5.06	0.95	28.86	18.17	3800.0	2.45
1900.0	16.92	39.68	10.55	7.99	5.19	0.93	29.13	17.99	3900.0	2.55
2000.0	16.31	39.47	10.52	7.47	5.29	0.91	28.97	17.37	4000.0	2.47
2100.0	15.82	40.14	10.30	6.63	5.72	0.87	29.00	17.33		
2200.0	15.26	39.98	10.02	5.89	5.63	0.83	29.17	17.26		
2300.0	14.69	40.44	9.92	5.32	6.00	0.79	28.65	16.32		
2400.0	14.12	39.92	9.78	4.83	5.69	0.76	28.24	15.91		
2500.0	13.53	40.24	9.59	4.41	5.97	0.72	28.22	15.60		
2600.0	12.97	40.29	9.49	4.05	6.06	0.69	27.93	15.09		
2700.0	12.41	40.04	9.40	3.72	5.93	0.66	27.65	14.83		
2800.0	11.84	39.67	9.17	3.44	5.71	0.63	27.49	14.40		
2900.0	11.30	39.52	9.09	3.20	5.67	0.60	27.24	13.94		
3000.0	10.77	39.39	9.03	3.00	5.67	0.58	26.58	13.47		
3100.0	10.24	38.65	8.85	2.79	5.20	0.55	26.43	13.05		
3200.0	9.72	38.37	8.80	2.62	5.09	0.53	25.47	12.42		
3300.0	9.22	37.82	8.75	2.45	4.79	0.51	25.54	12.03		
3400.0	8.76	37.17	8.66	2.31	4.45	0.49	24.73	11.81		
3500.0	8.29	36.59	8.54	2.21	4.21	0.47	24.08	11.38		
3600.0	7.81	35.97	8.52	2.10	3.96	0.46	23.83	10.94		
3700.0	7.38	35.64	8.37	2.03	3.87	0.45	23.22	10.55		
3800.0	6.91	34.67	8.21	1.93	3.44	0.43	22.59	10.34		
3900.0	6.45	34.25	8.32	1.93	3.49	0.43	22.01	9.78		
4000.0	6.08	33.02	8.26	1.85	3.01	0.42	21.96	9.57		



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 = 3.8V, Id = 50.72mA, R1=267 Ohms @ Temperature = +85degC

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	FREQ	Noise Figure
					K	Measure				
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(MHz)	(dB)
500.0	21.12	41.84	2.03	6.96	1.98	1.23	26.63	16.06	500.0	1.51
525.0	21.89	40.90	2.61	7.77	2.00	1.22	26.95	16.51	600.0	1.20
550.0	22.53	40.20	3.31	8.61	2.03	1.19	27.02	16.88	700.0	0.72
575.0	23.03	39.10	4.14	9.49	1.98	1.15	26.98	17.30	800.0	0.65
600.0	23.41	38.87	5.09	10.39	2.07	1.12	27.10	17.39	900.0	0.59
625.0	23.66	38.41	6.13	11.28	2.10	1.08	27.32	18.03	1000.0	0.56
650.0	23.82	38.13	7.29	12.16	2.15	1.05	27.63	18.25	1100.0	0.64
675.0	23.91	37.90	8.55	12.92	2.20	1.02	27.69	18.53	1200.0	0.69
700.0	23.94	37.57	9.88	13.62	2.21	0.99	28.25	18.80	1300.0	0.61
725.0	23.90	37.64	11.33	14.28	2.30	0.98	28.29	18.82	1400.0	0.75
750.0	23.83	37.50	12.92	14.89	2.34	0.96	28.52	19.14	1500.0	0.84
775.0	23.75	37.29	14.65	15.40	2.35	0.95	28.89	19.20	1600.0	0.83
800.0	23.63	37.42	16.57	15.95	2.45	0.95	29.17	19.15	1700.0	0.84
825.0	23.51	37.47	18.73	16.50	2.52	0.95	29.45	19.52	1800.0	1.00
850.0	23.36	37.33	20.91	16.98	2.54	0.94	29.52	19.53	1900.0	0.95
875.0	23.21	37.42	22.83	17.47	2.61	0.95	29.52	19.33	2000.0	1.11
900.0	23.05	37.39	23.85	17.90	2.66	0.95	29.66	19.83	2100.0	1.09
925.0	22.88	37.17	23.39	18.24	2.64	0.95	29.68	19.52	2200.0	1.14
950.0	22.72	37.46	22.26	18.54	2.77	0.96	29.80	19.44	2300.0	1.22
975.0	22.55	37.56	21.09	18.77	2.85	0.96	29.68	19.66	2400.0	1.30
1000.0	22.38	37.45	19.86	18.86	2.86	0.96	29.08	19.40	2500.0	1.46
1050.0	22.03	37.83	18.04	18.89	3.08	0.98	29.66	19.45	2600.0	1.45
1100.0	21.69	37.63	16.53	18.58	3.10	0.98	29.73	19.44	2700.0	1.65
1150.0	21.35	37.81	15.28	18.14	3.24	0.99	29.60	19.48	2800.0	1.62
1200.0	21.03	37.71	14.45	17.58	3.29	1.00	29.79	19.52	2900.0	1.70
1250.0	20.69	38.00	13.69	16.89	3.48	1.01	29.58	19.58	3000.0	1.70
1300.0	20.38	38.13	13.24	15.98	3.62	1.01	29.34	19.27	3100.0	1.84
1350.0	20.07	38.11	12.86	15.06	3.70	1.01	29.21	19.06	3200.0	1.96
1400.0	19.76	38.20	12.46	14.18	3.81	1.01	29.00	18.88	3300.0	1.96
1500.0	19.15	38.44	11.77	12.59	4.06	1.01	29.06	19.12	3400.0	2.09
1550.0	18.84	38.54	11.54	11.88	4.19	1.00	29.02	18.36	3500.0	2.09
1600.0	18.55	38.62	11.36	11.21	4.30	1.00	28.92	18.47	3600.0	2.31
1700.0	17.96	38.78	11.05	9.90	4.50	0.98	28.81	17.71	3700.0	2.36
1800.0	17.35	38.96	10.63	8.80	4.71	0.95	28.77	17.79	3800.0	2.39
1900.0	16.73	39.20	10.28	7.86	4.95	0.93	28.87	17.58	3900.0	2.61
2000.0	16.12	38.96	10.27	7.34	5.03	0.91	28.53	16.98	4000.0	2.50
2100.0	15.62	39.73	10.06	6.51	5.50	0.87	28.58	16.93		
2200.0	15.06	39.37	9.79	5.79	5.27	0.83	28.46	16.92		
2300.0	14.49	40.17	9.70	5.23	5.86	0.79	27.92	15.89		
2400.0	13.91	40.13	9.56	4.73	5.87	0.75	27.60	15.43		
2500.0	13.32	40.22	9.38	4.34	5.99	0.72	27.34	15.26		
2600.0	12.76	40.48	9.31	3.98	6.24	0.69	26.97	14.57		
2700.0	12.20	39.89	9.21	3.66	5.87	0.65	26.66	14.31		
2800.0	11.62	39.69	9.00	3.38	5.76	0.63	26.29	13.86		
2900.0	11.08	39.65	8.92	3.15	5.80	0.60	26.11	13.42		
3000.0	10.55	39.00	8.86	2.95	5.45	0.58	25.22	12.95		
3100.0	10.02	38.63	8.68	2.75	5.22	0.55	25.21	12.49		
3200.0	9.49	38.56	8.64	2.58	5.25	0.53	24.17	11.89		
3300.0	9.00	37.80	8.59	2.42	4.82	0.50	24.20	11.46		
3400.0	8.53	37.41	8.49	2.28	4.62	0.48	23.52	11.25		
3500.0	8.06	36.70	8.37	2.17	4.28	0.47	22.90	10.82		
3600.0	7.58	36.20	8.35	2.06	4.09	0.45	22.57	10.34		
3700.0	7.15	35.88	8.20	2.00	4.01	0.44	22.01	9.99		
3800.0	6.68	34.74	8.06	1.91	3.52	0.43	21.46	9.81		
3900.0	6.22	34.36	8.16	1.90	3.57	0.43	20.90	9.20		
4000.0	5.85	33.16	8.09	1.83	3.09	0.42	20.94	8.98		



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 =4.2V, Id = 57.08mA, R1=267 Ohms @ Temperature = +85degC

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	FREQ	Noise Figure
					K	Measure				
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(MHz)	(dB)
500.0	21.42	42.37	2.07	6.94	2.03	1.23	27.46	16.88	500.0	1.47
525.0	22.18	41.77	2.65	7.72	2.11	1.22	27.75	17.37	600.0	1.18
550.0	22.80	40.60	3.34	8.54	2.06	1.19	27.82	17.75	700.0	0.70
575.0	23.28	39.81	4.16	9.39	2.07	1.15	27.71	18.14	800.0	0.64
600.0	23.64	39.43	5.09	10.22	2.13	1.12	27.94	18.27	900.0	0.57
625.0	23.88	39.15	6.10	11.07	2.19	1.09	28.20	18.88	1000.0	0.56
650.0	24.04	38.88	7.22	11.86	2.25	1.05	28.38	19.06	1100.0	0.61
675.0	24.12	38.50	8.45	12.58	2.27	1.02	28.62	19.38	1200.0	0.69
700.0	24.14	38.50	9.74	13.20	2.36	1.00	28.97	19.62	1300.0	0.61
725.0	24.11	38.46	11.11	13.82	2.43	0.98	29.00	19.64	1400.0	0.74
750.0	24.04	38.27	12.61	14.34	2.46	0.97	29.22	19.99	1500.0	0.83
775.0	23.96	38.27	14.27	14.83	2.53	0.96	29.67	20.01	1600.0	0.85
800.0	23.85	38.15	16.09	15.31	2.57	0.95	29.80	19.96	1700.0	0.82
825.0	23.73	38.19	18.15	15.79	2.64	0.95	29.96	20.32	1800.0	0.99
850.0	23.58	38.36	20.45	16.23	2.75	0.95	30.27	20.32	1900.0	0.95
875.0	23.43	38.06	22.82	16.70	2.73	0.95	30.24	20.10	2000.0	1.09
900.0	23.28	38.19	24.86	17.12	2.82	0.95	30.41	20.61	2100.0	1.06
925.0	23.11	38.21	25.57	17.47	2.88	0.95	30.39	20.29	2200.0	1.11
950.0	22.96	38.17	24.86	17.74	2.92	0.95	30.43	20.22	2300.0	1.20
975.0	22.79	38.13	23.53	17.99	2.96	0.96	30.20	20.45	2400.0	1.27
1000.0	22.62	38.22	22.01	18.11	3.03	0.96	29.97	20.15	2500.0	1.44
1050.0	22.29	38.43	19.81	18.25	3.20	0.97	30.30	20.21	2600.0	1.43
1100.0	21.95	38.42	18.00	18.12	3.30	0.98	30.41	20.17	2700.0	1.59
1150.0	21.62	38.69	16.52	17.83	3.49	0.99	30.70	20.23	2800.0	1.58
1200.0	21.30	38.72	15.58	17.39	3.60	0.99	30.64	20.26	2900.0	1.70
1250.0	20.97	38.77	14.71	16.87	3.72	1.00	30.65	20.30	3000.0	1.66
1300.0	20.66	38.73	14.18	16.01	3.79	1.00	30.20	19.99	3100.0	1.81
1350.0	20.35	38.89	13.74	15.16	3.96	1.00	29.76	19.78	3200.0	1.99
1400.0	20.05	38.95	13.31	14.33	4.07	1.00	29.70	19.60	3300.0	1.99
1500.0	19.45	39.22	12.51	12.77	4.36	1.00	29.93	19.82	3400.0	2.09
1550.0	19.14	39.30	12.26	12.07	4.48	0.99	29.30	19.08	3500.0	2.04
1600.0	18.85	39.31	12.05	11.40	4.57	0.99	29.36	19.20	3600.0	2.24
1700.0	18.27	39.50	11.70	10.09	4.81	0.97	29.18	18.44	3700.0	2.33
1800.0	17.67	39.82	11.21	8.98	5.11	0.95	29.37	18.53	3800.0	2.42
1900.0	17.06	40.28	10.81	8.02	5.52	0.92	29.67	18.36	3900.0	2.49
2000.0	16.45	39.79	10.79	7.52	5.46	0.90	29.39	17.74	4000.0	2.34
2100.0	15.96	40.48	10.56	6.66	5.91	0.87	29.61	17.70		
2200.0	15.40	40.09	10.25	5.92	5.66	0.83	29.40	17.65		
2300.0	14.83	40.18	10.15	5.35	5.79	0.79	29.02	16.76		
2400.0	14.26	40.38	9.99	4.85	5.97	0.76	28.76	16.35		
2500.0	13.68	40.72	9.78	4.44	6.27	0.72	28.93	16.08		
2600.0	13.12	40.64	9.70	4.07	6.28	0.69	28.85	15.53		
2700.0	12.56	40.41	9.59	3.75	6.16	0.66	28.59	15.32		
2800.0	11.98	39.72	9.36	3.45	5.71	0.63	28.26	14.84		
2900.0	11.44	39.57	9.27	3.22	5.68	0.60	28.26	14.42		
3000.0	10.91	39.11	9.20	3.02	5.45	0.58	27.59	13.94		
3100.0	10.39	38.62	9.02	2.81	5.15	0.55	27.46	13.52		
3200.0	9.86	38.35	8.96	2.64	5.05	0.53	26.63	12.90		
3300.0	9.37	37.61	8.92	2.47	4.64	0.51	26.72	12.56		
3400.0	8.91	37.09	8.81	2.33	4.38	0.49	25.83	12.40		
3500.0	8.44	36.63	8.69	2.22	4.19	0.47	25.27	11.91		
3600.0	7.96	36.20	8.68	2.11	4.05	0.46	24.97	11.43		
3700.0	7.53	35.27	8.52	2.04	3.68	0.45	24.28	11.14		
3800.0	7.06	34.56	8.36	1.93	3.38	0.43	23.61	10.84		
3900.0	6.60	34.13	8.48	1.93	3.40	0.43	23.05	10.36		
4000.0	6.23	33.09	8.43	1.85	3.02	0.42	22.86	10.11		

