

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 = 152.54mA @ 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)
150.0	25.82	79.98	1.25	5.04	44.31	1.20	32.55	18.80	3.66
200.0	30.26	99.36	0.62	4.78	126.67	1.25	33.49	19.82	1.61
250.0	34.02	78.20	1.06	4.37	11.60	1.13	34.68	20.48	1.16
300.0	37.22	83.22	1.21	3.99	14.93	1.05	34.67	21.15	0.91
350.0	39.27	76.82	1.71	3.70	7.56	0.95	36.11	21.38	0.72
400.0	40.86	78.24	2.52	3.55	9.56	0.86	36.18	21.59	0.55
450.0	41.86	74.55	3.48	3.54	7.06	0.79	35.53	21.90	0.52
500.0	42.44	71.11	4.47	3.70	5.39	0.75	36.48	22.04	0.64
600.0	42.54	65.82	6.87	4.61	4.07	0.75	38.00	22.66	0.45
700.0	41.87	62.36	9.35	6.24	3.76	0.81	38.94	22.68	0.55
800.0	40.66	60.28	11.56	8.41	3.94	0.89	40.13	22.76	0.44
900.0	39.30	58.38	13.01	11.11	4.04	0.95	41.80	22.59	0.53
1000.0	37.96	57.16	14.04	14.38	4.29	0.99	43.85	22.73	0.42
1100.0	36.65	56.03	14.64	17.62	4.47	1.01	43.79	22.81	0.49
1200.0	35.39	54.97	14.75	19.18	4.58	1.01	42.94	22.83	0.54
1300.0	34.25	54.13	14.81	17.73	4.72	1.01	42.18	22.82	0.63
1400.0	33.12	53.20	14.61	15.37	4.76	1.00	41.94	22.91	0.65
1500.0	32.10	52.30	14.08	13.54	4.72	0.99	42.38	22.94	0.69
1600.0	31.14	51.50	13.94	11.99	4.71	0.97	42.13	22.71	0.73
1700.0	30.18	50.75	13.59	10.85	4.71	0.95	41.22	23.15	0.81
1800.0	29.30	49.97	12.97	9.92	4.64	0.94	41.52	23.13	0.87
1900.0	28.41	49.07	12.64	9.15	4.52	0.92	41.51	23.04	0.85
2000.0	27.52	48.45	12.28	8.54	4.56	0.90	41.12	22.84	0.95
2200.0	25.70	47.02	11.73	7.68	4.59	0.87	41.01	22.99	1.04
2400.0	23.87	45.74	11.25	7.19	4.76	0.85	40.18	23.68	1.16
2600.0	22.08	44.60	10.91	7.03	5.06	0.85	39.33	23.37	1.26
2800.0	20.25	43.49	10.59	7.05	5.47	0.85	37.34	22.39	1.35
3000.0	18.57	42.31	10.27	7.20	5.80	0.86	36.05	21.41	1.55
3200.0	16.92	41.25	9.84	7.48	6.23	0.89	34.72	20.16	1.64
3400.0	15.43	40.15	9.65	7.63	6.50	0.90	32.71	18.96	1.84
3600.0	14.04	38.99	9.38	7.76	6.65	0.91	31.28	17.67	1.96
3800.0	12.69	37.96	9.08	7.79	6.81	0.92	30.67	16.63	2.23
4000.0	11.51	36.78	9.00	7.66	6.72	0.92	29.06	15.73	2.50
4200.0	10.39	35.58	8.73	7.65	6.56	0.93	27.21	14.70	2.75
4400.0	9.21	34.48	8.61	7.43	6.48	0.93	25.28	13.55	3.14
4600.0	8.50	32.89	8.57	7.30	5.76	0.93	24.06	12.71	3.30
4800.0	8.04	31.06	8.08	7.05	4.72	0.94	22.46	11.63	3.62
5000.0	7.55	29.30	7.88	6.75	3.93	0.93	20.70	9.76	3.87

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 = 145.71mA @ 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)
150.0	25.48	80.37	1.12	5.06	43.72	1.22	32.06	18.35	3.78
200.0	29.95	88.55	0.59	4.79	36.07	1.25	33.08	19.42	1.67
250.0	33.73	77.83	1.11	4.38	11.97	1.12	34.18	20.14	1.15
300.0	36.96	87.73	1.23	3.98	25.40	1.05	34.38	20.87	0.94
350.0	39.05	83.33	1.68	3.69	15.44	0.96	35.83	21.13	0.76
400.0	40.67	78.64	2.41	3.52	9.85	0.86	35.46	21.36	0.53
450.0	41.69	71.68	3.37	3.51	5.14	0.78	36.56	21.66	0.55
500.0	42.31	70.84	4.40	3.64	5.23	0.74	36.54	21.79	0.60
600.0	42.43	65.33	6.85	4.56	3.88	0.74	37.54	22.39	0.43
700.0	41.76	61.96	9.35	6.18	3.62	0.81	39.19	22.35	0.57
800.0	40.55	60.03	11.40	8.34	3.86	0.89	40.18	22.44	0.49
900.0	39.19	58.45	12.94	11.03	4.11	0.95	42.11	22.29	0.54
1000.0	37.82	56.84	13.85	14.35	4.20	0.99	43.58	22.45	0.44
1100.0	36.51	55.81	14.32	17.65	4.41	1.01	42.82	22.52	0.52
1200.0	35.24	54.77	14.45	19.34	4.55	1.02	42.63	22.49	0.55
1300.0	34.09	53.76	14.54	17.93	4.60	1.01	41.58	22.50	0.63
1400.0	32.96	53.01	14.39	15.51	4.73	1.00	42.52	22.60	0.66
1500.0	31.94	52.12	13.90	13.67	4.70	0.99	41.85	22.63	0.69
1600.0	30.97	51.33	13.69	12.07	4.70	0.97	41.26	22.41	0.77
1700.0	30.02	50.50	13.28	10.89	4.65	0.96	41.01	22.90	0.83
1800.0	29.14	49.80	12.79	9.97	4.63	0.94	41.07	22.84	0.85
1900.0	28.26	48.95	12.55	9.19	4.54	0.92	40.81	22.72	0.88
2000.0	27.36	48.22	12.21	8.55	4.52	0.90	40.76	22.52	0.95
2200.0	25.55	46.92	11.61	7.70	4.62	0.87	40.65	22.69	1.06
2400.0	23.71	45.69	11.21	7.19	4.81	0.85	40.12	23.40	1.18
2600.0	21.91	44.52	10.78	7.01	5.10	0.85	39.35	23.01	1.27
2800.0	20.08	43.49	10.53	7.05	5.57	0.85	37.70	21.99	1.39
3000.0	18.38	42.41	10.18	7.19	5.98	0.87	36.30	21.01	1.62
3200.0	16.74	41.36	9.79	7.46	6.41	0.89	34.69	19.74	1.65
3400.0	15.25	40.14	9.53	7.61	6.60	0.90	32.39	18.55	1.82
3600.0	13.85	39.09	9.30	7.73	6.84	0.91	30.85	17.25	1.99
3800.0	12.50	37.97	9.06	7.75	6.94	0.92	30.09	16.17	2.20
4000.0	11.33	36.82	8.90	7.65	6.86	0.93	28.40	15.24	2.45
4200.0	10.20	35.60	8.67	7.62	6.70	0.93	26.48	14.23	2.72
4400.0	9.03	34.52	8.51	7.42	6.61	0.93	24.55	13.07	3.17
4600.0	8.33	32.93	8.45	7.30	5.88	0.94	23.38	12.23	3.36
4800.0	7.86	31.07	7.96	7.05	4.80	0.94	21.92	11.20	3.50
5000.0	7.38	29.38	7.76	6.77	4.03	0.94	20.34	9.40	3.63

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 = 5.25V, Id = 160.98mA @ 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)
150.0	26.08	76.07	1.23	5.03	26.70	1.20	32.88	19.20	3.66
200.0	30.50	90.28	0.61	4.76	42.76	1.24	34.02	20.23	1.53
250.0	34.24	76.16	1.16	4.36	9.79	1.11	34.81	20.89	1.15
300.0	37.41	91.13	1.25	3.98	36.10	1.05	35.17	21.47	0.83
350.0	39.43	87.18	1.72	3.70	23.30	0.96	35.91	21.70	0.71
400.0	40.99	75.02	2.56	3.55	6.76	0.85	36.41	21.90	0.54
450.0	41.96	73.77	3.51	3.56	6.50	0.78	36.92	22.19	0.53
500.0	42.54	71.23	4.54	3.69	5.45	0.74	36.64	22.34	0.61
600.0	42.61	66.46	6.94	4.61	4.35	0.75	37.49	22.98	0.47
700.0	41.94	63.07	9.52	6.21	4.04	0.81	39.68	23.04	0.55
800.0	40.74	60.46	11.60	8.34	3.98	0.88	41.83	23.12	0.49
900.0	39.40	59.02	13.12	10.96	4.28	0.94	41.25	22.92	0.50
1000.0	38.06	57.55	14.13	14.24	4.43	0.98	43.34	23.05	0.45
1100.0	36.76	56.43	14.84	17.43	4.62	1.00	43.18	23.15	0.52
1200.0	35.51	55.34	14.98	18.98	4.73	1.01	44.95	23.17	0.52
1300.0	34.36	54.40	15.15	17.63	4.81	1.01	43.78	23.15	0.60
1400.0	33.24	53.55	14.80	15.30	4.88	1.00	42.52	23.22	0.64
1500.0	32.23	52.62	14.33	13.51	4.83	0.99	43.88	23.27	0.67
1600.0	31.26	51.88	14.16	11.97	4.86	0.97	42.65	23.04	0.69
1700.0	30.31	50.99	13.72	10.81	4.77	0.95	42.73	23.44	0.82
1800.0	29.44	50.13	13.22	9.90	4.66	0.93	42.38	23.44	0.83
1900.0	28.56	49.37	12.84	9.14	4.60	0.92	41.16	23.36	0.87
2000.0	27.66	48.70	12.56	8.53	4.63	0.90	41.44	23.16	0.93
2200.0	25.87	47.12	11.93	7.68	4.56	0.87	40.80	23.31	1.04
2400.0	24.04	45.86	11.45	7.19	4.74	0.85	40.56	24.00	1.15
2600.0	22.27	44.58	11.02	7.02	4.96	0.84	38.96	23.76	1.25
2800.0	20.45	43.53	10.78	7.08	5.41	0.85	37.35	22.83	1.33
3000.0	18.77	42.36	10.39	7.23	5.73	0.86	36.40	21.86	1.58
3200.0	17.13	41.23	9.93	7.51	6.09	0.89	34.99	20.63	1.64
3400.0	15.64	40.10	9.72	7.69	6.35	0.90	33.19	19.48	1.86
3600.0	14.25	39.06	9.53	7.82	6.59	0.91	31.84	18.21	2.09
3800.0	12.91	37.95	9.29	7.84	6.70	0.92	31.26	17.17	2.20
4000.0	11.73	36.78	9.13	7.74	6.60	0.92	29.78	16.24	2.55
4200.0	10.59	35.59	8.93	7.70	6.48	0.93	27.94	15.29	2.89
4400.0	9.44	34.54	8.75	7.50	6.41	0.93	26.03	14.17	3.16
4600.0	8.73	32.92	8.74	7.36	5.69	0.93	24.70	13.36	3.42
4800.0	8.28	31.13	8.23	7.10	4.68	0.94	22.98	12.28	3.56
5000.0	7.79	29.41	8.09	6.80	3.92	0.93	21.02	10.46	3.82

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 = 163.26mA @ 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)
150.0	26.80	83.34	1.08	5.07	51.53	1.22	33.69	19.15	3.03
200.0	31.02	102.13	0.58	4.87	151.83	1.26	34.86	20.44	1.24
250.0	34.71	80.84	1.13	4.53	15.51	1.14	37.36	21.31	0.85
300.0	37.81	77.91	1.24	4.24	8.28	1.08	36.30	22.21	0.69
350.0	39.76	76.94	1.66	4.04	7.48	1.00	37.25	22.48	0.54
400.0	41.23	77.12	2.37	3.96	8.32	0.93	37.52	22.73	0.39
450.0	42.13	74.90	3.27	4.00	7.37	0.87	39.32	22.97	0.41
500.0	42.63	71.41	4.28	4.21	5.73	0.82	38.86	23.01	0.45
600.0	42.72	66.66	6.52	5.15	4.53	0.81	38.80	23.48	0.36
700.0	42.11	63.19	8.88	6.63	4.06	0.85	40.13	23.27	0.40
800.0	41.02	60.71	10.86	8.56	3.95	0.90	40.86	23.34	0.32
900.0	39.79	59.08	12.38	10.99	4.10	0.95	40.72	23.18	0.37
1000.0	38.54	57.79	13.72	13.48	4.27	0.98	42.32	23.45	0.30
1100.0	37.30	56.42	14.48	15.69	4.29	1.00	43.58	23.55	0.34
1200.0	36.10	55.34	14.94	16.58	4.38	1.00	45.27	23.49	0.39
1300.0	34.98	54.39	15.28	15.80	4.44	1.00	45.60	23.54	0.46
1400.0	33.88	53.53	15.08	14.45	4.51	0.99	48.65	23.67	0.46
1500.0	32.88	52.73	14.64	13.13	4.53	0.98	47.02	23.67	0.49
1600.0	31.93	51.85	14.49	11.92	4.48	0.97	46.76	23.46	0.55
1700.0	30.97	51.11	14.09	11.02	4.51	0.95	44.18	24.09	0.62
1800.0	30.10	50.32	13.49	10.19	4.45	0.94	43.88	23.90	0.59
1900.0	29.23	49.61	13.22	9.52	4.44	0.93	43.28	23.66	0.60
2000.0	28.34	48.94	12.81	8.94	4.47	0.91	43.34	23.45	0.66
2200.0	26.56	47.56	12.04	8.07	4.51	0.89	40.61	23.74	0.74
2400.0	24.74	46.35	11.49	7.42	4.67	0.86	39.81	24.50	0.82
2600.0	23.00	45.13	11.02	7.13	4.88	0.85	38.34	23.97	0.87
2800.0	21.24	44.08	10.63	7.06	5.24	0.85	36.68	23.21	0.93
3000.0	19.58	42.89	10.15	7.01	5.46	0.86	35.46	22.53	1.14
3200.0	17.99	41.86	9.76	7.21	5.83	0.87	33.89	21.47	1.14
3400.0	16.57	40.58	9.37	7.34	5.89	0.89	31.89	20.47	1.35
3600.0	15.19	39.52	9.03	7.34	6.03	0.90	30.38	19.05	1.50
3800.0	13.87	38.38	8.86	7.30	6.08	0.90	29.89	17.94	1.64
4000.0	12.70	37.17	8.57	7.22	5.93	0.91	28.39	16.96	1.89
4200.0	11.58	36.06	8.44	7.09	5.84	0.91	26.74	15.93	2.02
4400.0	10.43	34.95	8.35	6.89	5.73	0.91	25.09	14.77	2.36
4600.0	9.69	33.43	8.27	6.83	5.15	0.92	24.22	14.02	2.48
4800.0	9.25	31.63	7.83	6.48	4.18	0.92	23.18	13.38	2.70
5000.0	8.84	29.76	7.60	6.21	3.38	0.91	21.22	11.88	2.96

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 = 4.75V, Id = 150.87mA @ 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)
150.0	26.23	78.30	1.04	5.09	29.66	1.23	33.26	18.89	2.86
200.0	30.50	83.70	0.58	4.88	19.65	1.26	34.07	20.15	1.22
250.0	34.22	80.87	1.06	4.54	14.66	1.16	35.82	20.97	0.79
300.0	37.37	91.04	1.19	4.24	36.27	1.10	36.36	21.90	0.66
350.0	39.36	76.34	1.66	4.04	7.32	1.00	36.64	22.14	0.55
400.0	40.88	76.39	2.35	3.95	7.92	0.93	37.25	22.36	0.37
450.0	41.82	75.31	3.20	3.99	7.85	0.87	36.94	22.60	0.41
500.0	42.36	69.76	4.20	4.20	4.89	0.82	37.54	22.63	0.46
600.0	42.47	66.02	6.50	5.13	4.33	0.81	37.24	23.10	0.33
700.0	41.88	62.88	8.86	6.62	4.02	0.85	38.58	22.88	0.41
800.0	40.78	60.60	10.88	8.57	4.01	0.90	39.76	22.96	0.33
900.0	39.54	58.63	12.46	11.01	4.01	0.95	40.41	22.81	0.35
1000.0	38.28	57.36	13.67	13.51	4.18	0.98	41.58	23.09	0.28
1100.0	37.04	56.20	14.49	15.76	4.31	1.00	41.68	23.18	0.32
1200.0	35.83	55.04	14.69	16.68	4.35	1.00	44.11	23.11	0.37
1300.0	34.71	54.04	15.03	15.91	4.40	1.00	45.51	23.17	0.43
1400.0	33.60	53.25	14.87	14.55	4.50	0.99	46.00	23.30	0.45
1500.0	32.60	52.53	14.45	13.21	4.57	0.98	46.85	23.31	0.46
1600.0	31.65	51.63	14.32	12.00	4.51	0.97	46.89	23.11	0.48
1700.0	30.69	50.98	13.79	11.08	4.58	0.96	44.28	23.74	0.58
1800.0	29.82	50.18	13.40	10.25	4.52	0.94	43.33	23.55	0.56
1900.0	28.95	49.48	13.09	9.57	4.52	0.93	44.07	23.30	0.59
2000.0	28.05	48.74	12.77	8.98	4.52	0.91	43.24	23.09	0.65
2200.0	26.28	47.44	11.94	8.10	4.59	0.89	40.66	23.38	0.70
2400.0	24.46	46.20	11.41	7.44	4.75	0.86	39.61	24.14	0.84
2600.0	22.71	45.05	11.10	7.15	5.01	0.85	38.05	23.54	0.86
2800.0	20.96	44.02	10.65	7.08	5.38	0.85	36.34	22.77	0.93
3000.0	19.30	42.85	10.17	7.02	5.62	0.86	35.06	22.10	1.15
3200.0	17.71	41.85	9.86	7.22	6.02	0.87	33.31	21.02	1.15
3400.0	16.29	40.61	9.44	7.35	6.12	0.89	31.31	19.97	1.28
3600.0	14.91	39.57	9.14	7.36	6.28	0.90	29.57	18.48	1.47
3800.0	13.59	38.47	9.02	7.31	6.37	0.90	28.90	17.35	1.62
4000.0	12.43	37.28	8.68	7.23	6.21	0.91	27.35	16.38	1.82
4200.0	11.30	36.15	8.50	7.10	6.09	0.91	25.68	15.33	2.09
4400.0	10.15	35.07	8.49	6.91	6.03	0.91	23.97	14.19	2.35
4600.0	9.42	33.56	8.33	6.85	5.41	0.92	23.25	13.46	2.33
4800.0	8.99	31.78	7.91	6.50	4.40	0.91	22.39	12.89	2.61
5000.0	8.58	29.93	7.53	6.24	3.54	0.92	20.64	11.61	2.87

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 = 169.63mA @ 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)
150.0	26.92	77.24	1.13	5.06	26.26	1.22	34.20	19.57	3.02
200.0	31.15	81.50	0.58	4.86	14.02	1.26	35.19	20.88	1.28
250.0	34.82	83.53	1.02	4.53	18.82	1.16	37.23	21.74	0.83
300.0	37.91	81.12	1.18	4.24	11.26	1.09	37.33	22.59	0.71
350.0	39.83	80.05	1.66	4.04	10.31	1.01	37.84	22.86	0.58
400.0	41.28	77.23	2.47	3.97	8.63	0.92	38.19	23.08	0.40
450.0	42.16	74.78	3.39	4.01	7.40	0.86	37.75	23.34	0.40
500.0	42.65	71.93	4.30	4.23	6.07	0.83	39.16	23.38	0.49
600.0	42.70	66.88	6.59	5.15	4.67	0.81	39.08	23.85	0.36
700.0	42.10	63.74	8.97	6.62	4.32	0.85	40.58	23.64	0.43
800.0	41.00	61.28	10.97	8.53	4.22	0.90	40.45	23.70	0.32
900.0	39.78	59.30	12.50	10.92	4.21	0.95	41.76	23.50	0.38
1000.0	38.53	58.01	13.79	13.36	4.38	0.98	42.46	23.78	0.29
1100.0	37.31	56.71	14.58	15.52	4.43	0.99	46.72	23.91	0.38
1200.0	36.10	55.66	15.07	16.40	4.54	1.00	45.02	23.88	0.40
1300.0	34.99	54.68	15.40	15.66	4.58	1.00	47.10	23.92	0.46
1400.0	33.89	53.92	15.25	14.36	4.70	0.99	52.21	24.05	0.47
1500.0	32.90	53.03	14.87	13.05	4.68	0.98	48.50	24.05	0.50
1600.0	31.94	52.15	14.70	11.87	4.64	0.96	46.39	23.84	0.54
1700.0	30.99	51.42	14.28	10.98	4.66	0.95	45.28	24.44	0.58
1800.0	30.12	50.61	13.71	10.16	4.59	0.94	45.64	24.26	0.59
1900.0	29.26	49.80	13.40	9.50	4.53	0.92	45.31	24.02	0.62
2000.0	28.37	49.09	13.04	8.92	4.54	0.91	43.69	23.80	0.67
2200.0	26.60	47.67	12.27	8.07	4.56	0.88	42.00	24.06	0.75
2400.0	24.79	46.36	11.70	7.43	4.67	0.86	40.92	24.80	0.82
2600.0	23.06	45.12	11.23	7.15	4.86	0.85	39.27	24.24	0.84
2800.0	21.31	44.04	10.83	7.08	5.20	0.85	37.48	23.45	0.94
3000.0	19.66	42.79	10.35	7.03	5.39	0.85	36.37	22.67	1.12
3200.0	18.07	41.73	9.95	7.23	5.73	0.87	34.83	21.48	1.14
3400.0	16.65	40.51	9.59	7.39	5.84	0.89	33.01	20.35	1.31
3600.0	15.28	39.45	9.29	7.40	5.99	0.90	31.53	18.97	1.48
3800.0	13.96	38.34	9.18	7.35	6.06	0.90	31.00	17.90	1.65
4000.0	12.80	37.13	8.85	7.26	5.91	0.91	29.64	16.94	1.80
4200.0	11.67	36.03	8.69	7.13	5.82	0.91	27.99	15.94	2.03
4400.0	10.53	34.95	8.66	6.93	5.75	0.90	26.30	14.87	2.37
4600.0	9.79	33.46	8.53	6.87	5.17	0.91	25.35	14.16	2.36
4800.0	9.36	31.69	8.11	6.52	4.22	0.91	24.08	13.58	2.59
5000.0	8.95	29.84	7.80	6.25	3.41	0.91	21.80	12.12	2.83

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 = 145.08mA @ 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)
150.0	24.58	78.82	1.29	4.93	45.13	1.18	30.78	18.11	4.41
200.0	29.28	89.92	0.67	4.63	50.64	1.22	31.81	18.87	1.98
250.0	33.13	78.86	1.25	4.17	15.00	1.08	32.67	19.31	1.33
300.0	36.43	88.23	1.37	3.72	30.44	0.99	33.11	19.74	1.11
350.0	38.59	84.37	1.82	3.35	18.17	0.89	33.79	19.96	0.89
400.0	40.29	75.81	2.56	3.11	7.31	0.78	33.96	20.15	0.69
450.0	41.40	72.46	3.50	3.03	5.38	0.70	34.39	20.44	0.70
500.0	42.10	70.45	4.65	3.11	4.81	0.65	35.27	20.61	0.72
600.0	42.29	65.45	7.13	3.92	3.73	0.67	36.14	21.35	0.59
700.0	41.60	62.19	9.59	5.53	3.63	0.76	37.57	21.81	0.66
800.0	40.34	60.35	11.81	7.80	4.03	0.86	39.32	22.03	0.60
900.0	38.90	58.47	13.10	10.52	4.22	0.94	40.25	21.80	0.65
1000.0	37.47	57.13	14.00	14.22	4.51	0.99	39.99	21.78	0.58
1100.0	36.12	56.19	14.43	18.35	4.83	1.01	39.65	21.75	0.64
1200.0	34.83	55.20	14.41	21.25	5.02	1.02	39.34	21.75	0.69
1300.0	33.65	54.45	14.39	19.46	5.25	1.02	38.63	21.58	0.77
1400.0	32.52	53.51	14.22	16.02	5.28	1.01	38.70	21.60	0.81
1500.0	31.51	52.58	13.72	13.99	5.22	1.00	38.73	21.70	0.88
1600.0	30.55	51.79	13.30	12.11	5.18	0.98	38.70	21.51	0.92
1700.0	29.61	50.94	13.06	10.74	5.10	0.96	38.59	21.76	1.05
1800.0	28.75	50.11	12.64	9.84	5.00	0.94	38.77	21.96	1.09
1900.0	27.87	49.22	12.39	8.96	4.86	0.91	38.85	22.06	1.12
2000.0	27.00	48.40	12.16	8.28	4.77	0.89	38.97	21.99	1.19
2200.0	25.20	46.93	11.49	7.50	4.76	0.86	38.71	22.13	1.33
2400.0	23.39	45.51	11.26	7.08	4.88	0.84	38.58	22.75	1.49
2600.0	21.57	44.28	10.90	7.01	5.17	0.84	38.01	22.65	1.61
2800.0	19.72	43.08	10.70	7.15	5.59	0.85	36.60	21.67	1.72
3000.0	17.99	42.00	10.60	7.39	6.08	0.87	35.69	20.69	2.02
3200.0	16.30	41.05	10.06	7.69	6.62	0.89	34.46	19.62	2.15
3400.0	14.76	39.88	10.09	7.87	6.94	0.90	32.33	18.48	2.44
3600.0	13.36	38.92	9.86	8.16	7.33	0.92	31.09	17.35	2.65
3800.0	11.99	37.79	9.58	8.18	7.45	0.93	30.31	16.29	2.91
4000.0	10.82	36.59	9.76	8.11	7.41	0.93	28.64	15.45	3.18
4200.0	9.67	35.36	9.24	8.23	7.24	0.95	26.72	14.46	3.56
4400.0	8.47	34.29	9.03	7.94	7.17	0.94	24.77	13.34	3.92
4600.0	7.79	32.62	9.28	7.86	6.39	0.94	23.47	12.38	4.10
4800.0	7.29	30.81	8.61	7.77	5.32	0.96	21.95	11.04	4.46
5000.0	6.76	29.13	8.74	7.44	4.58	0.94	20.81	9.91	4.91

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 = 137.78mA @ 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)
150.0	24.24	81.22	1.24	4.95	59.58	1.19	30.52	17.71	4.50
200.0	28.98	89.70	0.67	4.65	50.84	1.22	31.56	18.46	2.05
250.0	32.84	77.50	1.05	4.18	11.89	1.10	32.59	18.94	1.37
300.0	36.17	79.00	1.26	3.73	10.59	1.00	32.59	19.44	1.13
350.0	38.36	76.39	1.76	3.35	7.70	0.88	33.34	19.63	0.89
400.0	40.09	77.32	2.50	3.10	8.60	0.78	33.74	19.84	0.70
450.0	41.23	71.91	3.53	3.00	5.20	0.69	34.53	20.14	0.63
500.0	41.96	70.96	4.51	3.07	5.03	0.66	34.03	20.32	0.74
600.0	42.17	65.42	7.06	3.87	3.73	0.67	36.06	21.06	0.56
700.0	41.49	62.11	9.53	5.48	3.62	0.76	38.12	21.48	0.66
800.0	40.23	59.96	11.68	7.75	3.89	0.86	39.12	21.68	0.59
900.0	38.78	58.16	12.94	10.45	4.11	0.94	39.61	21.46	0.65
1000.0	37.35	57.05	13.65	14.13	4.51	0.99	39.21	21.47	0.59
1100.0	35.99	56.02	14.21	18.23	4.80	1.01	39.19	21.45	0.63
1200.0	34.69	55.03	14.08	21.24	4.99	1.02	39.36	21.44	0.70
1300.0	33.52	54.12	14.06	19.62	5.12	1.02	38.42	21.30	0.79
1400.0	32.38	53.31	14.00	16.16	5.24	1.01	38.49	21.32	0.84
1500.0	31.37	52.53	13.34	14.12	5.26	1.00	38.42	21.40	0.89
1600.0	30.41	51.65	12.97	12.21	5.17	0.98	38.09	21.23	0.93
1700.0	29.47	50.88	12.77	10.83	5.14	0.96	38.27	21.49	1.07
1800.0	28.61	50.02	12.49	9.92	5.03	0.94	38.37	21.67	1.09
1900.0	27.74	49.16	12.15	9.02	4.89	0.92	38.33	21.75	1.12
2000.0	26.87	48.36	11.95	8.34	4.81	0.90	38.73	21.67	1.22
2200.0	25.07	46.88	11.30	7.53	4.80	0.87	38.25	21.81	1.34
2400.0	23.26	45.47	11.14	7.10	4.93	0.85	38.32	22.47	1.53
2600.0	21.44	44.27	10.73	7.01	5.23	0.85	37.83	22.34	1.62
2800.0	19.58	43.14	10.68	7.14	5.71	0.86	36.76	21.36	1.76
3000.0	17.85	42.03	10.50	7.37	6.18	0.87	35.84	20.34	2.00
3200.0	16.16	41.04	10.01	7.66	6.70	0.89	34.47	19.20	2.12
3400.0	14.62	39.94	9.94	7.83	7.06	0.91	32.20	18.05	2.31
3600.0	13.21	38.94	9.71	8.12	7.42	0.92	30.73	16.85	2.68
3800.0	11.84	37.81	9.42	8.14	7.54	0.93	29.76	15.80	2.87
4000.0	10.68	36.64	9.72	8.06	7.55	0.93	28.08	14.90	3.23
4200.0	9.53	35.40	9.16	8.20	7.36	0.95	26.07	13.93	3.51
4400.0	8.34	34.34	8.95	7.91	7.29	0.95	24.13	12.83	4.04
4600.0	7.66	32.67	9.10	7.84	6.48	0.94	22.89	11.88	4.10
4800.0	7.16	30.85	8.47	7.77	5.40	0.96	21.47	10.58	4.52
5000.0	6.62	29.15	8.55	7.44	4.63	0.95	20.47	9.40	4.73

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 = 150.50mA @ 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)
150.0	24.76	77.45	1.32	4.89	38.54	1.17	30.88	18.36	4.46
200.0	29.46	87.88	0.65	4.59	38.03	1.21	32.00	19.02	1.98
250.0	33.28	82.83	1.09	4.13	20.85	1.09	32.96	19.45	1.30
300.0	36.57	85.92	1.34	3.69	22.25	0.99	32.99	19.83	1.10
350.0	38.71	84.34	1.92	3.33	18.73	0.87	34.09	20.02	0.92
400.0	40.39	76.62	2.62	3.09	7.99	0.77	34.29	20.21	0.68
450.0	41.48	73.93	3.61	3.01	6.34	0.70	34.83	20.49	0.68
500.0	42.17	70.34	4.69	3.10	4.70	0.65	35.18	20.67	0.73
600.0	42.34	66.36	7.25	3.90	4.11	0.67	36.10	21.40	0.56
700.0	41.65	62.68	9.76	5.51	3.81	0.76	38.33	21.95	0.67
800.0	40.40	60.74	12.01	7.78	4.19	0.86	39.04	22.23	0.59
900.0	38.97	58.83	13.41	10.50	4.37	0.93	39.86	21.99	0.63
1000.0	37.55	57.78	14.19	14.25	4.82	0.99	39.58	21.93	0.59
1100.0	36.19	56.56	14.70	18.46	5.02	1.01	39.18	21.87	0.64
1200.0	34.90	55.77	14.64	21.41	5.33	1.02	39.64	21.85	0.71
1300.0	33.73	54.74	14.62	19.46	5.38	1.02	38.67	21.66	0.79
1400.0	32.60	53.90	14.52	15.94	5.48	1.01	38.78	21.63	0.83
1500.0	31.60	52.99	13.95	13.90	5.42	0.99	38.82	21.76	0.88
1600.0	30.63	52.07	13.47	12.02	5.31	0.98	38.70	21.58	0.94
1700.0	29.69	51.27	13.37	10.65	5.26	0.95	38.75	21.77	1.04
1800.0	28.84	50.38	12.93	9.76	5.11	0.93	38.88	22.02	1.09
1900.0	27.96	49.48	12.57	8.88	4.95	0.91	39.36	22.16	1.13
2000.0	27.10	48.59	12.35	8.21	4.82	0.89	39.14	22.14	1.21
2200.0	25.31	47.04	11.67	7.45	4.77	0.86	38.93	22.25	1.35
2400.0	23.51	45.59	11.44	7.05	4.86	0.84	38.33	22.85	1.47
2600.0	21.70	44.23	10.97	7.00	5.07	0.84	37.76	22.81	1.59
2800.0	19.86	43.05	10.98	7.17	5.52	0.85	36.49	21.93	1.74
3000.0	18.13	41.95	10.79	7.45	5.99	0.87	35.61	20.96	2.01
3200.0	16.44	40.95	10.24	7.77	6.50	0.89	34.64	19.99	2.11
3400.0	14.91	39.84	10.37	7.98	6.87	0.90	32.67	18.92	2.35
3600.0	13.50	38.88	10.01	8.31	7.25	0.92	31.41	17.79	2.61
3800.0	12.13	37.72	9.73	8.33	7.35	0.93	30.69	16.81	2.85
4000.0	10.96	36.55	10.02	8.25	7.35	0.93	29.18	15.90	3.25
4200.0	9.80	35.31	9.49	8.37	7.18	0.95	27.31	14.97	3.46
4400.0	8.62	34.26	9.29	8.06	7.13	0.94	25.37	13.86	3.94
4600.0	7.94	32.62	9.59	7.97	6.38	0.94	24.00	12.87	4.19
4800.0	7.42	30.84	8.92	7.88	5.34	0.95	22.39	11.43	4.40
5000.0	6.89	29.17	9.10	7.52	4.61	0.94	21.16	10.67	4.73