

## 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 = 152.87mA @ 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)
300.0	30.75	68.00	6.23	19.26	27.48	1.22	35.44	20.34	3.12
350.0	31.90	65.58	10.97	20.61	22.07	1.07	35.89	21.30	1.30
400.0	32.30	64.82	15.72	21.29	20.43	1.02	36.92	22.05	1.05
450.0	32.35	63.50	15.45	21.22	17.41	1.02	36.73	22.51	0.95
500.0	32.27	62.75	13.24	20.95	15.78	1.04	36.10	22.62	0.99
550.0	32.27	60.50	11.84	21.54	11.98	1.06	36.17	22.49	1.01
600.0	32.20	60.15	10.84	20.41	11.35	1.07	35.98	22.58	0.99
650.0	32.10	59.34	10.16	19.66	10.27	1.09	36.47	22.43	0.97
700.0	32.03	58.79	9.68	19.09	9.59	1.10	36.20	22.81	1.02
750.0	31.98	58.13	9.40	18.58	8.85	1.10	36.07	22.71	0.99
800.0	31.94	57.33	9.22	18.10	8.04	1.10	36.33	22.69	1.01
850.0	31.92	56.68	9.12	17.62	7.45	1.11	36.53	22.86	0.95
900.0	31.90	56.00	9.09	17.21	6.88	1.10	36.77	22.76	0.98
950.0	31.88	55.30	9.11	16.70	6.35	1.10	36.90	23.19	0.97
1000.0	31.85	54.55	9.15	16.27	5.83	1.10	35.81	23.34	1.01
1050.0	31.84	53.88	9.26	15.84	5.42	1.09	36.60	23.20	0.99
1100.0	31.80	53.34	9.39	15.44	5.12	1.09	37.14	23.32	0.99
1150.0	31.74	52.70	9.58	15.06	4.80	1.08	37.06	23.10	1.02
1200.0	31.67	52.16	9.78	14.71	4.56	1.07	37.21	23.45	1.09
1250.0	31.58	51.63	10.05	14.42	4.36	1.06	37.20	23.40	1.11
1300.0	31.47	51.19	10.34	14.18	4.22	1.05	37.66	23.57	1.12
1350.0	31.33	50.70	10.63	13.97	4.08	1.04	37.75	23.36	1.06
1400.0	31.16	50.29	10.99	13.85	4.00	1.03	37.28	23.58	1.06
1450.0	30.96	49.85	11.38	13.74	3.92	1.03	37.71	23.63	1.13
1500.0	30.72	49.56	11.85	13.77	3.93	1.02	37.31	23.78	1.10
1550.0	30.45	49.13	12.33	13.81	3.89	1.01	37.89	23.61	1.06
1600.0	30.16	48.94	12.82	13.96	3.97	1.01	37.47	23.94	1.09
1650.0	29.85	48.77	13.31	14.20	4.07	1.00	37.79	23.95	1.16
1700.0	29.51	48.48	13.82	14.43	4.13	1.00	37.71	24.00	1.12
1750.0	29.16	48.31	14.32	14.80	4.25	1.00	37.84	24.00	1.13
1800.0	28.79	48.19	14.83	15.25	4.41	1.00	37.92	24.02	1.12
1850.0	28.41	48.14	15.29	15.75	4.61	1.00	38.04	23.97	1.11
1900.0	28.01	47.91	15.76	16.30	4.73	1.00	38.60	23.96	1.17
1950.0	27.61	47.87	16.17	17.00	4.96	1.00	37.86	24.20	1.13
2000.0	27.20	47.88	16.54	17.76	5.23	1.00	38.16	24.04	1.17
2100.0	26.37	47.74	17.13	19.30	5.71	1.00	37.55	23.84	1.19
2200.0	25.54	47.70	17.49	20.80	6.28	1.00	37.00	23.52	1.20
2300.0	24.71	47.81	17.66	21.21	7.01	1.00	37.35	23.43	1.24
2400.0	23.89	47.78	17.67	20.05	7.66	1.00	37.01	23.39	1.29
2500.0	23.07	47.99	17.60	18.21	8.57	1.00	36.55	23.17	1.35

## 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 = 145.01mA @ 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)
300.0	30.63	68.18	6.22	19.01	28.39	1.22	35.55	20.52	3.11
350.0	31.78	65.66	10.99	20.13	22.56	1.07	36.32	21.33	1.28
400.0	32.18	64.38	15.76	20.60	19.69	1.02	36.96	21.91	1.02
450.0	32.23	63.40	15.52	20.46	17.44	1.02	37.21	22.24	0.95
500.0	32.15	62.54	13.25	20.18	15.60	1.04	35.91	22.22	0.99
550.0	32.15	60.41	11.88	20.69	11.99	1.06	35.90	22.03	1.01
600.0	32.08	60.04	10.88	19.69	11.34	1.07	35.61	22.09	0.98
650.0	31.99	59.20	10.18	19.03	10.22	1.08	35.78	21.95	0.96
700.0	31.92	58.80	9.70	18.52	9.70	1.09	35.94	22.33	0.99
750.0	31.88	58.22	9.41	18.06	9.03	1.10	35.50	22.22	0.99
800.0	31.84	57.28	9.23	17.63	8.08	1.10	35.81	22.17	1.04
850.0	31.82	56.62	9.12	17.20	7.46	1.10	36.27	22.35	0.93
900.0	31.81	55.80	9.09	16.82	6.77	1.10	36.29	22.26	0.96
950.0	31.79	55.18	9.11	16.36	6.31	1.10	36.53	22.70	0.97
1000.0	31.77	54.55	9.15	15.96	5.87	1.10	35.43	22.87	1.01
1050.0	31.76	53.86	9.27	15.56	5.45	1.09	36.13	22.72	1.00
1100.0	31.72	53.23	9.38	15.18	5.09	1.08	36.59	22.86	0.96
1150.0	31.67	52.61	9.59	14.82	4.78	1.08	36.68	22.61	1.01
1200.0	31.61	52.07	9.79	14.48	4.54	1.07	36.81	22.98	1.06
1250.0	31.51	51.61	10.05	14.21	4.38	1.06	37.17	22.94	1.10
1300.0	31.41	51.06	10.33	13.97	4.18	1.05	37.10	23.12	1.09
1350.0	31.26	50.69	10.65	13.77	4.10	1.04	37.28	22.90	1.06
1400.0	31.10	50.21	11.00	13.65	3.98	1.03	37.02	23.15	1.02
1450.0	30.90	49.79	11.39	13.52	3.91	1.02	37.14	23.20	1.09
1500.0	30.67	49.45	11.87	13.55	3.90	1.01	37.19	23.37	1.11
1550.0	30.41	49.12	12.34	13.59	3.90	1.01	37.55	23.18	1.05
1600.0	30.12	48.84	12.85	13.73	3.94	1.00	37.06	23.57	1.08
1650.0	29.82	48.63	13.35	13.95	4.02	1.00	37.54	23.57	1.14
1700.0	29.48	48.39	13.87	14.16	4.10	0.99	37.28	23.62	1.11
1750.0	29.13	48.27	14.39	14.53	4.24	0.99	37.66	23.62	1.11
1800.0	28.76	48.10	14.91	14.94	4.37	0.99	37.83	23.62	1.13
1850.0	28.39	48.06	15.37	15.40	4.57	0.99	38.31	23.58	1.11
1900.0	27.99	47.87	15.87	15.90	4.71	0.99	38.13	23.56	1.16
1950.0	27.60	47.79	16.26	16.55	4.92	0.99	37.68	23.83	1.11
2000.0	27.19	47.72	16.65	17.25	5.14	1.00	38.07	23.65	1.17
2100.0	26.37	47.64	17.24	18.64	5.64	1.00	37.33	23.48	1.17
2200.0	25.54	47.66	17.64	19.96	6.24	1.00	36.94	23.20	1.21
2300.0	24.72	47.73	17.78	20.35	6.93	1.00	37.37	23.07	1.24
2400.0	23.89	47.69	17.80	19.40	7.57	1.00	36.87	23.05	1.28
2500.0	23.08	47.91	17.70	17.77	8.47	1.00	36.41	22.83	1.36

## Typical Performance Data

### Definitions:

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

TEST CONDITIONS: Vd = 5.25V, Id = 160.49mA @ 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)
300.0	30.85	68.50	6.24	19.53	28.80	1.22	33.51	19.81	3.22
350.0	32.00	66.00	10.98	21.20	22.91	1.07	34.80	21.04	1.39
400.0	32.40	64.54	15.60	22.15	19.56	1.02	35.79	21.99	1.06
450.0	32.45	63.68	15.25	22.22	17.57	1.02	36.50	22.60	0.98
500.0	32.37	62.71	13.06	21.96	15.54	1.04	35.96	22.86	1.01
550.0	32.36	60.49	11.71	22.66	11.83	1.06	36.25	22.82	1.05
600.0	32.28	60.23	10.73	21.32	11.34	1.08	35.82	22.95	1.02
650.0	32.18	59.43	10.07	20.45	10.28	1.09	36.27	22.84	1.01
700.0	32.10	58.80	9.59	19.79	9.51	1.10	36.33	23.22	1.04
750.0	32.05	58.11	9.33	19.20	8.76	1.10	36.38	23.14	1.04
800.0	32.00	57.41	9.15	18.65	8.05	1.11	36.44	23.12	1.09
850.0	31.98	56.65	9.06	18.09	7.37	1.11	36.78	23.28	0.98
900.0	31.95	55.92	9.02	17.63	6.77	1.11	37.19	23.21	0.99
950.0	31.93	55.19	9.04	17.08	6.23	1.10	36.99	23.60	1.00
1000.0	31.90	54.64	9.08	16.61	5.86	1.10	35.92	23.75	1.05
1050.0	31.88	54.01	9.20	16.14	5.47	1.10	36.88	23.62	1.03
1100.0	31.84	53.44	9.32	15.71	5.15	1.09	37.28	23.74	1.01
1150.0	31.79	52.80	9.51	15.31	4.83	1.08	37.30	23.54	1.04
1200.0	31.71	52.25	9.71	14.94	4.59	1.07	37.09	23.86	1.10
1250.0	31.61	51.74	9.98	14.64	4.40	1.06	38.01	23.81	1.14
1300.0	31.50	51.23	10.27	14.39	4.23	1.05	37.34	23.95	1.14
1350.0	31.35	50.79	10.56	14.18	4.11	1.05	37.58	23.77	1.12
1400.0	31.18	50.39	10.90	14.05	4.03	1.04	37.75	23.96	1.09
1450.0	30.98	49.90	11.29	13.93	3.93	1.03	37.51	23.99	1.14
1500.0	30.74	49.60	11.76	13.98	3.94	1.02	37.26	24.12	1.15
1550.0	30.46	49.28	12.23	14.05	3.95	1.01	37.98	23.97	1.07
1600.0	30.17	49.02	12.71	14.21	4.01	1.01	37.29	24.25	1.12
1650.0	29.86	48.83	13.20	14.47	4.10	1.01	37.87	24.27	1.17
1700.0	29.52	48.61	13.66	14.70	4.19	1.00	37.73	24.31	1.13
1750.0	29.16	48.38	14.19	15.13	4.29	1.00	37.65	24.33	1.15
1800.0	28.78	48.26	14.68	15.60	4.45	1.00	37.90	24.34	1.16
1850.0	28.40	48.20	15.10	16.13	4.65	1.00	38.25	24.33	1.12
1900.0	27.99	48.00	15.57	16.72	4.80	1.00	38.13	24.33	1.18
1950.0	27.60	48.00	15.94	17.49	5.05	1.00	37.53	24.51	1.15
2000.0	27.18	47.94	16.32	18.33	5.28	1.00	38.20	24.40	1.20
2100.0	26.35	47.82	16.87	20.08	5.78	1.00	37.63	24.17	1.22
2200.0	25.51	47.78	17.23	21.82	6.37	1.01	37.00	23.80	1.21
2300.0	24.68	47.84	17.39	22.22	7.06	1.01	37.30	23.73	1.29
2400.0	23.85	47.83	17.45	20.76	7.74	1.00	36.76	23.69	1.31
2500.0	23.03	48.00	17.36	18.62	8.62	1.00	36.52	23.45	1.38

## 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 = 155.48mA @ 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)
300.0	30.56	67.24	6.53	18.69	26.21	1.20	39.99	21.99	3.06
350.0	31.85	65.47	11.09	19.42	21.90	1.06	40.23	22.65	1.23
400.0	32.47	64.21	17.71	19.51	18.80	1.00	41.17	23.11	0.91
450.0	32.71	63.23	22.07	19.09	16.50	0.99	40.80	23.37	0.79
500.0	32.77	62.41	17.98	18.57	14.73	1.00	39.31	23.32	0.83
550.0	32.87	59.99	15.35	19.03	10.88	1.02	38.82	23.09	0.88
600.0	32.89	59.94	13.58	18.13	10.60	1.03	38.48	23.14	0.80
650.0	32.85	59.16	12.42	17.56	9.57	1.04	38.59	22.96	0.77
700.0	32.80	58.65	11.58	17.17	8.93	1.05	39.02	23.37	0.80
750.0	32.78	58.03	11.05	16.86	8.25	1.06	38.82	23.22	0.81
800.0	32.76	57.26	10.70	16.57	7.50	1.06	38.42	23.15	0.84
850.0	32.75	56.65	10.50	16.25	6.95	1.06	39.05	23.31	0.73
900.0	32.76	55.92	10.42	15.97	6.37	1.06	38.83	23.19	0.76
950.0	32.75	55.21	10.38	15.59	5.86	1.06	39.72	23.67	0.75
1000.0	32.74	54.61	10.36	15.26	5.46	1.06	38.38	23.84	0.76
1050.0	32.73	53.93	10.49	14.91	5.05	1.06	39.50	23.63	0.79
1100.0	32.71	53.34	10.64	14.58	4.74	1.05	39.32	23.76	0.74
1150.0	32.68	52.69	10.86	14.27	4.43	1.04	40.39	23.48	0.78
1200.0	32.62	52.29	11.07	13.97	4.27	1.03	39.74	23.87	0.84
1250.0	32.54	51.69	11.32	13.72	4.03	1.03	40.73	23.80	0.86
1300.0	32.44	51.24	11.63	13.48	3.89	1.02	40.41	24.00	0.86
1350.0	32.31	50.77	11.95	13.27	3.75	1.01	41.02	23.72	0.82
1400.0	32.14	50.40	12.27	13.13	3.68	1.00	40.17	23.99	0.81
1450.0	31.95	50.04	12.58	12.98	3.63	1.00	40.75	24.05	0.84
1500.0	31.72	49.55	13.10	12.91	3.55	0.99	40.05	24.25	0.86
1550.0	31.47	49.26	13.60	12.89	3.55	0.98	40.49	23.99	0.77
1600.0	31.18	49.02	14.20	12.97	3.60	0.98	39.81	24.50	0.78
1650.0	30.88	48.81	14.73	13.15	3.66	0.97	40.79	24.47	0.87
1700.0	30.55	48.61	15.26	13.28	3.74	0.97	39.98	24.53	0.81
1750.0	30.21	48.31	15.93	13.56	3.79	0.97	41.01	24.50	0.85
1800.0	29.85	48.17	16.64	13.92	3.92	0.97	40.44	24.52	0.84
1850.0	29.48	48.18	17.30	14.30	4.12	0.97	40.72	24.47	0.81
1900.0	29.08	47.94	18.03	14.71	4.22	0.97	41.07	24.44	0.88
1950.0	28.68	47.87	18.64	15.27	4.40	0.97	40.38	24.80	0.82
2000.0	28.28	47.88	19.20	15.86	4.64	0.98	41.36	24.59	0.86
2100.0	27.46	47.80	19.98	17.08	5.09	0.98	40.14	24.53	0.88
2200.0	26.63	47.67	20.50	18.30	5.54	0.99	39.55	24.25	0.88
2300.0	25.80	47.76	20.61	18.81	6.17	0.99	40.21	24.15	0.92
2400.0	24.97	47.75	20.11	18.30	6.76	0.99	39.32	24.22	0.95
2500.0	24.14	47.89	19.57	17.12	7.50	0.99	39.06	24.03	1.00

## 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 = 148.04mA @ 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)
300.0	30.51	67.19	6.53	18.38	26.22	1.20	40.07	21.82	3.01
350.0	31.79	65.60	11.09	18.95	22.35	1.06	39.23	22.35	1.21
400.0	32.40	64.20	17.73	18.96	18.91	1.00	40.13	22.69	0.89
450.0	32.64	62.81	22.03	18.54	15.82	0.99	39.71	22.87	0.78
500.0	32.70	62.65	17.96	18.04	15.23	1.00	38.15	22.76	0.81
550.0	32.81	60.11	15.34	18.46	11.10	1.01	37.86	22.51	0.88
600.0	32.82	59.90	13.56	17.64	10.60	1.03	37.60	22.55	0.79
650.0	32.78	59.01	12.40	17.13	9.46	1.04	37.72	22.36	0.77
700.0	32.74	58.67	11.58	16.77	9.00	1.05	37.91	22.78	0.81
750.0	32.72	57.96	11.04	16.50	8.21	1.06	37.90	22.63	0.79
800.0	32.71	57.33	10.69	16.24	7.59	1.06	37.91	22.57	0.82
850.0	32.70	56.58	10.49	15.95	6.92	1.06	38.18	22.73	0.72
900.0	32.71	55.91	10.41	15.70	6.38	1.06	38.41	22.62	0.75
950.0	32.70	55.18	10.37	15.35	5.85	1.06	38.52	23.10	0.75
1000.0	32.69	54.50	10.35	15.04	5.41	1.06	37.60	23.29	0.78
1050.0	32.69	53.88	10.47	14.70	5.04	1.05	38.42	23.06	0.76
1100.0	32.67	53.33	10.63	14.39	4.74	1.05	38.65	23.20	0.75
1150.0	32.64	52.77	10.86	14.09	4.48	1.04	38.91	22.91	0.77
1200.0	32.58	52.19	11.07	13.81	4.23	1.03	39.24	23.33	0.82
1250.0	32.50	51.68	11.33	13.56	4.04	1.02	39.78	23.26	0.83
1300.0	32.40	51.15	11.63	13.33	3.86	1.02	39.60	23.47	0.85
1350.0	32.28	50.76	11.95	13.14	3.76	1.01	39.49	23.17	0.83
1400.0	32.11	50.38	12.28	13.01	3.68	1.00	39.75	23.47	0.79
1450.0	31.93	50.01	12.59	12.85	3.62	0.99	39.61	23.53	0.86
1500.0	31.70	49.53	13.10	12.79	3.54	0.99	39.62	23.73	0.85
1550.0	31.45	49.25	13.62	12.76	3.55	0.98	40.06	23.47	0.77
1600.0	31.17	49.01	14.20	12.83	3.59	0.97	40.05	24.01	0.83
1650.0	30.87	48.78	14.75	13.00	3.65	0.97	39.66	23.97	0.87
1700.0	30.54	48.54	15.29	13.13	3.71	0.97	40.06	24.04	0.80
1750.0	30.19	48.32	15.94	13.40	3.79	0.97	40.28	24.01	0.83
1800.0	29.84	48.22	16.68	13.74	3.94	0.97	40.11	24.02	0.82
1850.0	29.47	48.13	17.36	14.10	4.09	0.97	41.24	23.96	0.79
1900.0	29.07	47.87	18.06	14.50	4.18	0.97	40.85	23.94	0.86
1950.0	28.68	47.87	18.68	15.04	4.40	0.97	39.83	24.32	0.82
2000.0	28.28	47.79	19.29	15.60	4.59	0.97	40.54	24.08	0.86
2100.0	27.46	47.71	20.11	16.73	5.03	0.98	39.96	24.03	0.85
2200.0	26.64	47.66	20.59	17.86	5.53	0.98	39.37	23.81	0.86
2300.0	25.81	47.71	20.71	18.33	6.12	0.99	39.20	23.69	0.92
2400.0	24.98	47.70	20.26	17.87	6.71	0.99	39.19	23.74	0.91
2500.0	24.16	47.90	19.65	16.78	7.49	0.98	38.68	23.53	1.00

## 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 = 163.74mA @ 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)
300.0	30.76	66.85	6.52	18.85	24.52	1.21	40.79	21.87	3.03
350.0	32.05	65.96	11.09	19.77	22.69	1.06	40.83	22.67	1.25
400.0	32.66	64.46	17.64	20.00	18.95	1.01	41.40	23.26	0.89
450.0	32.89	63.23	21.56	19.64	16.17	1.00	40.77	23.65	0.82
500.0	32.94	62.44	17.71	19.13	14.49	1.00	39.36	23.70	0.82
550.0	33.04	60.34	15.17	19.66	11.12	1.02	39.90	23.54	0.84
600.0	33.04	59.84	13.44	18.68	10.30	1.03	39.30	23.61	0.82
650.0	32.99	59.29	12.30	18.07	9.56	1.04	39.14	23.43	0.80
700.0	32.94	58.79	11.48	17.65	8.94	1.05	39.77	23.85	0.80
750.0	32.91	58.08	10.98	17.31	8.18	1.06	39.55	23.70	0.81
800.0	32.89	57.36	10.63	17.00	7.48	1.07	39.57	23.66	0.85
850.0	32.87	56.72	10.43	16.66	6.92	1.07	39.97	23.80	0.74
900.0	32.87	55.98	10.36	16.36	6.34	1.07	40.54	23.70	0.77
950.0	32.86	55.34	10.32	15.96	5.87	1.07	40.51	24.14	0.77
1000.0	32.84	54.71	10.32	15.61	5.46	1.06	38.90	24.30	0.79
1050.0	32.83	54.06	10.43	15.23	5.07	1.06	39.86	24.11	0.78
1100.0	32.81	53.42	10.58	14.87	4.74	1.05	39.81	24.23	0.75
1150.0	32.77	52.90	10.81	14.54	4.49	1.04	41.04	23.97	0.80
1200.0	32.70	52.35	11.01	14.23	4.26	1.04	40.90	24.34	0.86
1250.0	32.62	51.79	11.26	13.97	4.05	1.03	41.26	24.27	0.88
1300.0	32.51	51.31	11.56	13.73	3.89	1.02	40.87	24.46	0.86
1350.0	32.38	50.88	11.87	13.53	3.78	1.01	41.69	24.19	0.82
1400.0	32.21	50.44	12.20	13.40	3.68	1.01	40.61	24.45	0.82
1450.0	32.02	50.15	12.51	13.23	3.65	1.00	41.04	24.50	0.86
1500.0	31.78	49.72	13.00	13.19	3.60	0.99	40.36	24.69	0.87
1550.0	31.52	49.33	13.52	13.16	3.57	0.99	41.70	24.45	0.78
1600.0	31.23	49.14	14.10	13.25	3.63	0.98	40.93	24.91	0.81
1650.0	30.92	48.95	14.63	13.44	3.71	0.98	41.28	24.90	0.88
1700.0	30.59	48.67	15.16	13.59	3.76	0.98	40.53	24.96	0.82
1750.0	30.24	48.50	15.79	13.90	3.87	0.97	41.17	24.93	0.86
1800.0	29.87	48.27	16.48	14.28	3.96	0.97	41.44	24.94	0.87
1850.0	29.50	48.26	17.13	14.69	4.15	0.97	41.78	24.90	0.82
1900.0	29.09	48.06	17.82	15.14	4.28	0.98	42.64	24.89	0.87
1950.0	28.70	47.99	18.42	15.74	4.47	0.98	41.41	25.21	0.85
2000.0	28.29	47.95	18.96	16.39	4.68	0.98	41.82	25.03	0.87
2100.0	27.46	47.84	19.70	17.71	5.12	0.99	40.93	24.96	0.86
2200.0	26.63	47.79	20.20	19.06	5.63	0.99	39.91	24.62	0.88
2300.0	25.79	47.83	20.33	19.59	6.24	0.99	40.85	24.56	0.94
2400.0	24.95	47.77	19.92	18.92	6.80	0.99	40.06	24.63	0.95
2500.0	24.13	47.97	19.37	17.55	7.60	0.99	39.48	24.46	1.02

## 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 = 149.81mA @ 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)
300.0	30.57	68.20	5.82	19.69	27.82	1.25	29.90	17.91	3.28
350.0	31.61	65.80	10.33	21.69	23.13	1.08	31.06	19.26	1.55
400.0	31.83	64.47	13.34	23.11	20.36	1.04	32.19	20.37	1.26
450.0	31.73	63.46	12.44	23.53	18.12	1.05	32.91	21.03	1.17
500.0	31.55	62.56	10.85	23.55	16.24	1.08	32.85	21.31	1.21
550.0	31.46	60.82	9.85	24.14	13.12	1.10	33.16	21.37	1.25
600.0	31.33	59.96	9.13	22.62	11.78	1.12	33.19	21.52	1.23
650.0	31.21	59.59	8.68	21.61	11.25	1.13	33.26	21.47	1.23
700.0	31.12	58.87	8.38	20.84	10.33	1.14	33.45	21.77	1.24
750.0	31.05	58.01	8.18	20.13	9.34	1.14	33.36	21.83	1.25
800.0	31.00	57.31	8.05	19.49	8.60	1.15	33.64	21.81	1.29
850.0	30.96	56.60	7.99	18.84	7.93	1.15	33.87	21.99	1.20
900.0	30.94	55.95	8.00	18.31	7.36	1.14	34.05	22.00	1.25
950.0	30.92	55.17	8.06	17.66	6.74	1.14	34.00	22.26	1.23
1000.0	30.90	54.45	8.14	17.13	6.23	1.13	33.32	22.38	1.26
1050.0	30.87	53.82	8.29	16.64	5.83	1.13	33.89	22.38	1.29
1100.0	30.83	53.22	8.43	16.19	5.48	1.12	34.20	22.49	1.26
1150.0	30.78	52.62	8.64	15.77	5.17	1.11	34.24	22.40	1.31
1200.0	30.71	52.02	8.85	15.39	4.89	1.10	34.16	22.60	1.33
1250.0	30.61	51.52	9.13	15.10	4.71	1.09	34.69	22.61	1.40
1300.0	30.50	50.96	9.43	14.84	4.50	1.08	34.39	22.69	1.41
1350.0	30.35	50.57	9.76	14.66	4.42	1.07	34.55	22.64	1.39
1400.0	30.18	50.18	10.11	14.54	4.35	1.06	34.53	22.74	1.37
1450.0	29.98	49.73	10.49	14.45	4.27	1.05	34.67	22.75	1.41
1500.0	29.74	49.38	10.93	14.52	4.26	1.04	34.44	22.83	1.42
1550.0	29.47	49.06	11.39	14.61	4.28	1.03	34.94	22.78	1.34
1600.0	29.17	48.80	11.83	14.79	4.34	1.03	34.43	22.89	1.37
1650.0	28.86	48.61	12.30	15.09	4.44	1.02	34.74	22.95	1.43
1700.0	28.52	48.37	12.73	15.35	4.53	1.02	34.83	22.93	1.41
1750.0	28.16	48.21	13.17	15.80	4.68	1.02	34.89	22.99	1.43
1800.0	27.79	48.08	13.58	16.33	4.85	1.02	35.15	23.02	1.43
1850.0	27.41	48.00	13.95	16.90	5.06	1.01	35.10	23.07	1.44
1900.0	27.00	47.84	14.32	17.57	5.24	1.01	35.18	23.08	1.48
1950.0	26.60	47.80	14.63	18.39	5.49	1.01	34.75	23.07	1.44
2000.0	26.19	47.75	14.95	19.32	5.75	1.02	35.17	23.07	1.49
2100.0	25.36	47.71	15.39	21.35	6.34	1.02	34.71	22.74	1.53
2200.0	24.54	47.69	15.67	23.41	6.99	1.02	34.15	22.36	1.53
2300.0	23.71	47.80	15.82	23.78	7.80	1.02	34.51	22.25	1.58
2400.0	22.89	47.78	15.91	21.73	8.53	1.01	34.06	22.05	1.63
2500.0	22.08	47.92	15.95	19.16	9.47	1.01	33.84	21.71	1.72

## 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 = 142.87mA @ 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)
300.0	30.47	68.31	5.77	19.26	28.37	1.25	31.23	18.52	3.22
350.0	31.49	66.38	10.32	20.74	25.00	1.08	32.03	19.62	1.54
400.0	31.71	64.45	13.37	21.62	20.56	1.04	33.05	20.48	1.26
450.0	31.60	63.33	12.47	21.75	18.09	1.05	33.53	21.00	1.16
500.0	31.42	62.58	10.88	21.69	16.48	1.07	33.15	21.15	1.22
550.0	31.33	60.59	9.85	22.17	12.92	1.10	33.27	21.11	1.27
600.0	31.21	59.98	9.14	21.08	11.95	1.11	32.98	21.21	1.25
650.0	31.09	59.53	8.68	20.33	11.31	1.13	33.07	21.13	1.22
700.0	31.00	58.67	8.38	19.75	10.21	1.13	33.47	21.41	1.25
750.0	30.94	57.98	8.18	19.20	9.40	1.14	32.93	21.41	1.26
800.0	30.89	57.39	8.05	18.70	8.78	1.14	33.43	21.41	1.28
850.0	30.86	56.50	7.99	18.17	7.91	1.14	33.62	21.58	1.21
900.0	30.84	55.80	7.99	17.73	7.30	1.14	33.74	21.60	1.23
950.0	30.82	55.02	8.06	17.16	6.68	1.14	33.89	21.85	1.25
1000.0	30.80	54.36	8.14	16.69	6.22	1.13	33.18	21.99	1.27
1050.0	30.78	53.70	8.28	16.25	5.79	1.12	33.65	21.96	1.27
1100.0	30.74	53.15	8.43	15.84	5.48	1.12	34.22	22.07	1.25
1150.0	30.70	52.46	8.63	15.45	5.12	1.11	34.04	21.99	1.31
1200.0	30.63	51.87	8.85	15.08	4.84	1.10	33.95	22.21	1.35
1250.0	30.53	51.42	9.13	14.80	4.68	1.09	34.51	22.22	1.39
1300.0	30.43	50.94	9.45	14.55	4.52	1.08	34.27	22.32	1.43
1350.0	30.28	50.46	9.77	14.37	4.39	1.07	34.30	22.25	1.37
1400.0	30.12	50.04	10.13	14.25	4.30	1.06	34.34	22.37	1.37
1450.0	29.92	49.65	10.51	14.15	4.24	1.05	34.44	22.38	1.41
1500.0	29.68	49.27	10.96	14.19	4.22	1.04	34.15	22.50	1.39
1550.0	29.41	48.91	11.41	14.27	4.22	1.03	34.63	22.42	1.32
1600.0	29.12	48.67	11.89	14.42	4.29	1.02	34.50	22.58	1.37
1650.0	28.81	48.50	12.36	14.69	4.40	1.02	34.80	22.63	1.42
1700.0	28.47	48.26	12.78	14.92	4.49	1.02	34.66	22.63	1.36
1750.0	28.12	48.09	13.26	15.31	4.63	1.01	34.77	22.66	1.42
1800.0	27.75	47.96	13.67	15.79	4.79	1.01	34.93	22.70	1.44
1850.0	27.38	47.93	14.06	16.30	5.02	1.01	35.16	22.72	1.42
1900.0	26.98	47.74	14.46	16.87	5.18	1.01	35.15	22.73	1.48
1950.0	26.58	47.69	14.76	17.59	5.43	1.01	34.89	22.77	1.42
2000.0	26.17	47.63	15.07	18.37	5.67	1.01	35.14	22.73	1.47
2100.0	25.35	47.62	15.53	20.00	6.28	1.01	34.66	22.43	1.50
2200.0	24.53	47.56	15.83	21.54	6.88	1.01	34.34	22.08	1.50
2300.0	23.71	47.75	15.98	21.89	7.74	1.01	34.51	21.95	1.56
2400.0	22.89	47.70	16.03	20.49	8.44	1.01	34.03	21.76	1.59
2500.0	22.08	47.90	16.06	18.45	9.43	1.01	33.83	21.45	1.70



## 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 = 156.02mA @ 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)	K	Measure	(dBm)	(dBm)	(dB)
300.0	30.57	68.48	5.85	19.89	28.83	1.25	27.74	16.91	3.18
350.0	31.61	66.51	10.24	22.18	25.05	1.09	29.15	18.40	1.57
400.0	31.83	65.08	12.96	23.97	21.76	1.05	30.50	19.77	1.27
450.0	31.73	63.97	12.06	24.62	19.13	1.06	31.62	20.72	1.22
500.0	31.54	62.49	10.57	24.69	16.03	1.08	31.81	21.19	1.23
550.0	31.45	60.63	9.61	25.33	12.77	1.11	32.33	21.37	1.25
600.0	31.32	60.27	8.94	23.48	12.16	1.12	32.51	21.61	1.26
650.0	31.20	59.39	8.51	22.29	10.96	1.13	32.90	21.63	1.24
700.0	31.10	58.88	8.23	21.40	10.32	1.14	32.81	21.95	1.27
750.0	31.03	58.25	8.05	20.59	9.59	1.15	33.02	22.01	1.26
800.0	30.97	57.47	7.93	19.88	8.76	1.15	33.43	22.05	1.31
850.0	30.93	56.69	7.88	19.16	8.00	1.15	33.54	22.22	1.23
900.0	30.91	56.01	7.89	18.58	7.41	1.15	33.74	22.29	1.26
950.0	30.89	55.17	7.96	17.89	6.74	1.14	33.69	22.50	1.26
1000.0	30.86	54.49	8.04	17.32	6.27	1.14	33.20	22.61	1.30
1050.0	30.83	53.90	8.18	16.81	5.89	1.13	33.59	22.64	1.29
1100.0	30.79	53.29	8.33	16.34	5.54	1.12	33.96	22.76	1.29
1150.0	30.73	52.73	8.54	15.91	5.25	1.11	34.09	22.70	1.31
1200.0	30.66	52.06	8.75	15.52	4.93	1.10	33.93	22.86	1.35
1250.0	30.56	51.59	9.02	15.23	4.76	1.09	34.32	22.89	1.43
1300.0	30.45	51.06	9.32	14.97	4.57	1.08	34.14	22.94	1.43
1350.0	30.30	50.66	9.64	14.80	4.48	1.07	34.19	22.92	1.42
1400.0	30.12	50.24	9.98	14.69	4.40	1.06	34.09	22.98	1.39
1450.0	29.92	49.78	10.35	14.60	4.31	1.06	34.29	22.97	1.43
1500.0	29.68	49.47	10.78	14.68	4.32	1.05	34.09	23.04	1.46
1550.0	29.40	49.14	11.22	14.79	4.34	1.04	34.42	23.02	1.36
1600.0	29.11	48.88	11.66	14.98	4.40	1.03	34.18	23.06	1.41
1650.0	28.79	48.67	12.11	15.30	4.50	1.03	34.37	23.13	1.47
1700.0	28.44	48.45	12.52	15.58	4.61	1.02	34.47	23.11	1.43
1750.0	28.09	48.33	12.95	16.05	4.78	1.02	34.48	23.16	1.49
1800.0	27.71	48.15	13.33	16.61	4.93	1.02	34.55	23.21	1.48
1850.0	27.33	48.15	13.69	17.21	5.18	1.02	34.90	23.26	1.47
1900.0	26.93	47.93	14.06	17.93	5.33	1.02	34.81	23.29	1.51
1950.0	26.52	47.84	14.34	18.82	5.56	1.02	34.39	23.20	1.45
2000.0	26.11	47.82	14.65	19.83	5.84	1.02	34.61	23.26	1.53
2100.0	25.28	47.81	15.07	22.09	6.47	1.02	34.19	22.90	1.54
2200.0	24.45	47.80	15.35	24.52	7.14	1.02	33.80	22.49	1.58
2300.0	23.62	47.87	15.50	24.89	7.93	1.02	34.12	22.39	1.63
2400.0	22.80	47.82	15.60	22.34	8.66	1.02	33.73	22.16	1.68
2500.0	21.98	47.99	15.63	19.49	9.65	1.01	33.48	21.80	1.77