

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 = 190.00mA @ 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)
100.0	33.98	76.04	15.87	9.46	54.83	0.91	36.09	19.77	1.87
150.0	38.39	66.71	10.84	11.98	11.28	1.01	36.88	20.58	1.47
200.0	39.26	63.07	9.80	16.17	6.85	1.07	37.30	20.96	1.41
210.0	39.21	62.52	9.78	17.13	6.50	1.07	37.49	21.00	1.37
220.0	39.10	62.21	9.82	18.14	6.39	1.08	37.49	21.11	1.43
230.0	38.95	61.88	9.86	19.17	6.28	1.08	37.45	21.13	1.41
240.0	38.78	61.45	9.93	20.23	6.12	1.08	37.35	21.05	1.38
250.0	38.59	61.25	10.01	21.31	6.13	1.08	37.36	21.02	1.39
260.0	38.37	61.01	10.13	22.40	6.15	1.08	37.58	21.12	1.51
270.0	38.13	60.75	10.22	23.48	6.15	1.08	37.68	21.17	1.51
280.0	37.87	60.48	10.34	24.48	6.16	1.08	37.95	21.18	1.50
290.0	37.62	60.38	10.46	25.39	6.29	1.08	37.64	21.19	1.54
300.0	37.34	60.18	10.61	26.15	6.36	1.08	37.99	21.28	1.62
310.0	37.06	59.94	10.73	26.70	6.40	1.08	38.48	21.41	1.59
320.0	36.78	59.77	10.88	26.99	6.51	1.07	38.15	21.35	1.63
330.0	36.48	59.63	11.02	27.04	6.64	1.07	38.06	21.21	1.59
340.0	36.18	59.50	11.17	26.81	6.79	1.07	38.05	21.22	1.71
350.0	35.88	59.31	11.33	26.44	6.89	1.07	38.40	21.35	1.67
360.0	35.59	59.36	11.50	25.97	7.18	1.06	38.55	21.36	1.68
370.0	35.29	59.22	11.65	25.46	7.33	1.06	38.40	21.31	1.72
380.0	34.99	59.08	11.86	24.90	7.49	1.06	38.58	21.33	1.77
390.0	34.68	59.03	12.03	24.32	7.72	1.06	38.72	21.41	1.85
400.0	34.38	58.87	12.23	23.79	7.87	1.05	38.73	21.41	1.92
410.0	34.08	58.82	12.43	23.29	8.11	1.05	38.93	21.40	1.85
420.0	33.78	58.80	12.64	22.80	8.39	1.05	38.77	21.36	1.95
430.0	33.47	58.84	12.87	22.32	8.76	1.04	38.72	21.36	2.06
440.0	33.17	58.78	13.10	21.89	9.02	1.04	38.76	21.34	2.05
450.0	32.87	58.81	13.33	21.47	9.39	1.04	38.64	21.31	2.20
500.0	31.35	58.98	14.87	19.72	11.51	1.02	38.57	21.20	2.47
550.0	29.78	59.83	17.15	18.42	15.37	1.00	39.59	21.40	2.90
600.0	28.11	61.49	20.68	17.35	22.72	0.99	39.59	21.33	3.71
650.0	26.21	64.47	27.53	16.59	39.94	0.98	39.22	21.19	4.85
700.0	23.98	69.88	44.15	16.05	96.18	0.98	39.78	21.27	6.16
750.0	21.32	82.87	27.17	15.53	579.92	0.97	39.48	21.19	8.25
800.0	18.19	70.04	23.06	14.93	188.39	0.97	39.87	21.24	10.11
850.0	14.68	65.06	21.28	14.27	157.75	0.97	39.50	21.20	12.97
900.0	10.67	62.42	20.33	13.72	183.44	0.97	39.99	21.23	16.19

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 = 182.06mA @ 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)
100.0	33.91	76.17	15.74	9.41	55.99	0.91	35.78	19.36	1.85
150.0	38.32	66.69	10.76	11.91	11.30	1.01	36.69	20.25	1.43
200.0	39.20	62.95	9.73	16.04	6.79	1.07	37.26	20.66	1.35
210.0	39.15	62.63	9.71	17.00	6.61	1.07	37.25	20.71	1.39
220.0	39.04	62.07	9.76	17.99	6.32	1.08	37.45	20.82	1.39
230.0	38.89	61.91	9.79	19.00	6.33	1.08	37.80	20.84	1.38
240.0	38.72	61.48	9.87	20.03	6.17	1.08	37.17	20.79	1.34
250.0	38.53	61.19	9.95	21.08	6.12	1.08	37.28	20.76	1.39
260.0	38.31	61.01	10.05	22.13	6.18	1.08	37.44	20.86	1.49
270.0	38.07	60.68	10.16	23.17	6.13	1.08	37.85	20.90	1.50
280.0	37.81	60.41	10.29	24.14	6.14	1.08	37.72	20.93	1.48
290.0	37.56	60.30	10.40	25.02	6.26	1.08	37.64	20.94	1.54
300.0	37.28	60.06	10.54	25.76	6.31	1.08	37.71	21.01	1.56
310.0	37.00	59.88	10.69	26.31	6.40	1.08	38.23	21.12	1.55
320.0	36.72	59.78	10.82	26.64	6.55	1.07	38.10	21.09	1.62
330.0	36.43	59.59	10.95	26.74	6.64	1.07	38.02	20.97	1.58
340.0	36.13	59.51	11.12	26.56	6.83	1.07	38.02	20.97	1.69
350.0	35.83	59.39	11.28	26.26	6.99	1.07	38.07	21.10	1.63
360.0	35.54	59.21	11.44	25.84	7.10	1.07	38.10	21.12	1.63
370.0	35.23	59.18	11.59	25.38	7.34	1.06	38.09	21.07	1.74
380.0	34.93	59.03	11.80	24.86	7.48	1.06	38.20	21.08	1.75
390.0	34.63	58.98	11.98	24.31	7.72	1.06	38.50	21.15	1.83
400.0	34.32	58.94	12.17	23.80	7.97	1.05	38.58	21.15	1.91
410.0	34.03	58.92	12.36	23.31	8.25	1.05	38.49	21.15	1.85
420.0	33.73	58.74	12.56	22.84	8.38	1.05	38.45	21.13	1.91
430.0	33.42	58.77	12.80	22.37	8.74	1.04	38.44	21.13	2.01
440.0	33.11	58.75	13.04	21.94	9.05	1.04	38.35	21.10	2.07
450.0	32.82	58.73	13.28	21.53	9.36	1.04	38.58	21.09	2.12
500.0	31.30	59.01	14.81	19.77	11.63	1.02	38.29	20.99	2.41
550.0	29.73	59.80	17.06	18.46	15.41	1.01	39.23	21.16	2.91
600.0	28.06	61.36	20.63	17.40	22.51	0.99	39.15	21.10	3.76
650.0	26.17	64.05	27.42	16.65	38.29	0.98	39.12	20.99	4.82
700.0	23.93	70.18	44.10	16.11	100.15	0.98	39.15	21.05	6.14
750.0	21.28	83.18	27.18	15.59	603.96	0.97	39.34	21.00	8.64
800.0	18.15	70.12	23.10	15.00	191.12	0.97	39.62	21.05	10.09
850.0	14.64	65.03	21.26	14.34	158.10	0.97	39.52	21.00	12.95
900.0	10.62	62.43	20.33	13.79	184.84	0.97	39.46	21.02	16.14

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 = 196.99mA @ 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)
100.0	34.03	75.83	15.91	9.46	53.22	0.91	36.20	20.13	1.88
150.0	38.44	66.87	10.85	12.01	11.42	1.01	37.09	20.83	1.47
200.0	39.30	63.09	9.82	16.22	6.84	1.07	37.35	21.20	1.38
210.0	39.25	62.61	9.80	17.19	6.54	1.07	37.44	21.23	1.39
220.0	39.14	62.20	9.84	18.21	6.35	1.08	37.72	21.34	1.42
230.0	39.00	61.85	9.88	19.25	6.22	1.08	37.78	21.37	1.39
240.0	38.82	61.51	9.95	20.31	6.14	1.08	37.56	21.27	1.38
250.0	38.63	61.28	10.04	21.40	6.13	1.08	37.48	21.21	1.44
260.0	38.41	61.03	10.15	22.49	6.14	1.08	37.92	21.33	1.51
270.0	38.17	60.76	10.25	23.56	6.13	1.08	37.90	21.38	1.53
280.0	37.91	60.61	10.37	24.56	6.23	1.08	37.81	21.38	1.53
290.0	37.66	60.29	10.48	25.45	6.20	1.08	37.77	21.38	1.57
300.0	37.38	60.19	10.63	26.18	6.34	1.08	38.13	21.48	1.66
310.0	37.10	60.02	10.77	26.69	6.44	1.08	38.47	21.62	1.56
320.0	36.82	59.92	10.90	26.93	6.59	1.07	38.20	21.55	1.65
330.0	36.52	59.67	11.05	26.93	6.64	1.07	38.14	21.40	1.59
340.0	36.22	59.65	11.19	26.66	6.87	1.07	38.03	21.40	1.73
350.0	35.92	59.50	11.37	26.26	7.01	1.07	38.33	21.55	1.66
360.0	35.63	59.28	11.52	25.78	7.09	1.06	38.69	21.55	1.65
370.0	35.33	59.25	11.69	25.26	7.33	1.06	38.37	21.50	1.75
380.0	35.02	59.16	11.88	24.70	7.53	1.06	38.62	21.51	1.80
390.0	34.72	59.07	12.07	24.12	7.73	1.06	38.94	21.61	1.85
400.0	34.41	59.00	12.26	23.60	7.96	1.05	39.01	21.59	1.95
410.0	34.12	58.90	12.45	23.09	8.16	1.05	39.00	21.59	1.90
420.0	33.82	58.97	12.67	22.62	8.52	1.05	39.07	21.54	1.96
430.0	33.51	58.84	12.90	22.14	8.72	1.04	39.00	21.54	2.03
440.0	33.20	58.86	13.13	21.71	9.08	1.04	38.84	21.50	2.06
450.0	32.91	58.89	13.38	21.30	9.44	1.04	38.89	21.47	2.17
500.0	31.38	58.99	14.92	19.55	11.48	1.02	38.91	21.35	2.47
550.0	29.81	59.77	17.19	18.25	15.22	1.00	39.55	21.57	2.90
600.0	28.13	61.53	20.79	17.21	22.74	0.99	39.64	21.49	3.84
650.0	26.24	64.48	27.61	16.47	39.82	0.98	39.51	21.33	4.88
700.0	24.00	70.19	43.96	15.93	99.28	0.97	39.69	21.40	6.17
750.0	21.35	85.02	27.12	15.41	739.64	0.97	39.63	21.33	8.38
800.0	18.22	69.82	23.12	14.82	182.91	0.97	39.99	21.39	10.13
850.0	14.71	65.10	21.28	14.16	157.88	0.97	39.99	21.33	12.97
900.0	10.69	62.36	20.31	13.62	181.58	0.97	40.21	21.37	16.17

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 = 211.96mA @ 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)
100.0	33.55	74.75	19.11	9.57	50.49	0.90	41.19	20.20	1.41
150.0	38.02	65.65	12.39	12.21	10.73	0.99	44.05	21.45	1.02
200.0	38.99	62.14	11.22	16.87	6.57	1.04	43.28	22.11	0.97
210.0	38.96	61.76	11.17	17.99	6.33	1.05	43.26	22.21	0.96
220.0	38.87	61.34	11.17	19.18	6.12	1.05	43.41	22.32	0.99
230.0	38.75	60.91	11.16	20.43	5.93	1.06	43.80	22.37	1.00
240.0	38.59	60.72	11.17	21.73	5.92	1.06	44.81	22.41	0.94
250.0	38.42	60.45	11.18	23.11	5.86	1.06	44.96	22.47	0.95
260.0	38.22	60.14	11.21	24.58	5.80	1.06	44.03	22.53	1.09
270.0	38.00	60.07	11.21	26.23	5.90	1.07	44.67	22.54	1.06
280.0	37.76	59.78	11.29	27.98	5.88	1.06	43.33	22.60	1.05
290.0	37.52	59.70	11.33	29.92	5.99	1.07	44.00	22.63	1.11
300.0	37.26	59.42	11.39	32.29	5.98	1.07	44.22	22.63	1.15
310.0	37.00	59.33	11.43	35.25	6.11	1.07	43.90	22.68	1.11
320.0	36.74	59.30	11.53	39.30	6.28	1.06	45.37	22.70	1.16
330.0	36.46	59.09	11.59	46.15	6.33	1.06	44.77	22.71	1.13
340.0	36.18	58.98	11.71	57.05	6.47	1.06	43.98	22.73	1.23
350.0	35.91	58.89	11.83	43.55	6.62	1.06	44.17	22.74	1.19
360.0	35.63	58.78	11.96	38.50	6.76	1.06	43.50	22.77	1.17
370.0	35.35	58.59	12.07	35.57	6.83	1.06	43.82	22.78	1.25
380.0	35.07	58.66	12.25	33.31	7.13	1.06	44.25	22.78	1.28
390.0	34.78	58.49	12.40	31.52	7.24	1.05	44.78	22.78	1.33
400.0	34.50	58.40	12.57	30.16	7.42	1.05	44.91	22.77	1.40
410.0	34.22	58.38	12.72	29.01	7.65	1.05	45.15	22.81	1.36
420.0	33.94	58.41	12.92	27.99	7.95	1.05	45.37	22.80	1.35
430.0	33.64	58.39	13.11	27.05	8.22	1.04	46.02	22.86	1.50
440.0	33.35	58.34	13.31	26.25	8.46	1.04	45.18	22.88	1.49
450.0	33.07	58.31	13.51	25.53	8.73	1.04	45.27	22.86	1.54
500.0	31.62	58.72	14.84	22.76	10.90	1.03	45.65	22.90	1.82
550.0	30.12	59.57	16.98	20.87	14.44	1.01	45.45	22.81	2.14
600.0	28.51	61.04	20.60	19.40	20.74	1.00	46.18	22.87	2.86
650.0	26.69	64.06	27.50	18.32	36.34	0.99	46.12	22.87	3.88
700.0	24.52	69.40	43.76	17.47	86.15	0.98	46.11	22.89	4.94
750.0	21.93	76.38	26.97	16.69	257.79	0.98	46.51	22.93	7.37
800.0	18.83	68.69	22.77	15.92	150.74	0.98	45.55	22.92	8.67
850.0	15.31	64.33	20.93	15.09	135.77	0.98	46.27	22.93	11.45
900.0	11.32	62.02	20.05	14.48	163.49	0.97	47.09	22.93	14.64

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 = 200.27mA @ 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)
100.0	33.42	74.93	18.96	9.48	52.14	0.90	42.05	19.70	1.40
150.0	37.90	65.73	12.29	12.10	10.94	0.99	43.36	21.03	1.04
200.0	38.88	62.10	11.13	16.73	6.61	1.05	44.18	21.73	0.97
210.0	38.85	61.70	11.09	17.83	6.35	1.05	43.34	21.82	0.97
220.0	38.76	61.33	11.09	19.01	6.18	1.06	43.74	21.93	0.99
230.0	38.64	60.91	11.08	20.24	5.99	1.06	43.69	21.98	0.97
240.0	38.49	60.71	11.10	21.52	5.97	1.06	44.29	22.04	0.94
250.0	38.31	60.48	11.12	22.88	5.94	1.06	44.31	22.13	0.97
260.0	38.11	60.23	11.14	24.31	5.92	1.06	43.68	22.17	1.07
270.0	37.89	59.96	11.17	25.92	5.89	1.07	42.66	22.16	1.05
280.0	37.65	59.82	11.22	27.62	5.97	1.07	43.80	22.23	1.05
290.0	37.42	59.61	11.26	29.49	5.99	1.07	43.98	22.27	1.04
300.0	37.16	59.50	11.32	31.74	6.10	1.07	44.42	22.26	1.13
310.0	36.91	59.35	11.38	34.52	6.18	1.07	44.35	22.29	1.09
320.0	36.65	59.12	11.46	38.16	6.21	1.07	43.60	22.32	1.19
330.0	36.37	59.05	11.53	43.77	6.37	1.06	43.65	22.34	1.12
340.0	36.09	58.92	11.65	54.38	6.49	1.06	43.53	22.37	1.26
350.0	35.82	58.81	11.77	45.01	6.62	1.06	44.26	22.37	1.16
360.0	35.54	58.69	11.90	39.39	6.75	1.06	44.43	22.39	1.16
370.0	35.26	58.62	12.01	36.17	6.92	1.06	43.16	22.41	1.24
380.0	34.98	58.60	12.18	33.77	7.15	1.06	43.86	22.41	1.27
390.0	34.70	58.53	12.32	31.86	7.34	1.05	45.27	22.40	1.34
400.0	34.41	58.47	12.50	30.43	7.54	1.05	43.39	22.38	1.41
410.0	34.13	58.38	12.66	29.24	7.73	1.05	44.24	22.44	1.34
420.0	33.85	58.38	12.84	28.19	7.99	1.05	43.97	22.42	1.40
430.0	33.56	58.34	13.01	27.23	8.24	1.05	44.59	22.49	1.46
440.0	33.27	58.33	13.24	26.41	8.52	1.04	45.01	22.51	1.51
450.0	32.99	58.36	13.43	25.66	8.85	1.04	44.24	22.50	1.54
500.0	31.55	58.65	14.76	22.84	10.90	1.03	45.48	22.57	1.77
550.0	30.05	59.47	16.88	20.93	14.38	1.01	44.96	22.43	2.13
600.0	28.44	61.07	20.47	19.45	20.96	1.00	44.85	22.50	2.81
650.0	26.62	63.98	27.33	18.35	36.29	0.99	46.10	22.54	3.86
700.0	24.46	69.18	45.81	17.50	84.54	0.98	44.66	22.54	4.96
750.0	21.87	75.87	27.07	16.72	244.87	0.98	46.03	22.62	7.23
800.0	18.77	68.72	22.79	15.96	152.37	0.98	45.54	22.58	8.67
850.0	15.25	64.32	20.93	15.13	136.60	0.98	45.96	22.58	11.44
900.0	11.27	61.96	20.05	14.52	163.49	0.97	44.86	22.62	14.62

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 = 222.84mA @ 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)
100.0	33.66	75.19	19.32	9.64	52.53	0.90	41.10	20.64	1.42
150.0	38.12	65.90	12.51	12.30	10.93	0.99	43.40	21.82	1.00
200.0	39.09	62.17	11.32	17.00	6.53	1.04	43.18	22.46	0.96
210.0	39.06	61.73	11.25	18.13	6.26	1.05	42.85	22.53	0.94
220.0	38.96	61.32	11.26	19.34	6.06	1.05	44.38	22.66	1.00
230.0	38.84	61.02	11.24	20.60	5.95	1.06	42.88	22.72	1.01
240.0	38.68	60.83	11.25	21.92	5.94	1.06	44.29	22.73	0.93
250.0	38.50	60.53	11.28	23.33	5.87	1.06	44.28	22.77	0.98
260.0	38.30	60.11	11.29	24.83	5.73	1.06	43.04	22.85	1.06
270.0	38.08	60.17	11.31	26.50	5.92	1.06	43.55	22.87	1.10
280.0	37.84	59.89	11.34	28.30	5.91	1.06	44.50	22.92	1.04
290.0	37.60	59.70	11.37	30.30	5.94	1.06	45.10	22.95	1.11
300.0	37.34	59.54	11.46	32.74	6.02	1.06	43.88	22.98	1.13
310.0	37.08	59.27	11.53	35.77	6.02	1.06	44.06	23.03	1.13
320.0	36.82	59.29	11.58	39.86	6.22	1.06	44.22	23.05	1.17
330.0	36.54	59.22	11.69	45.49	6.38	1.06	44.61	23.03	1.14
340.0	36.26	58.99	11.78	47.10	6.43	1.06	45.18	23.04	1.25
350.0	35.98	58.86	11.90	41.29	6.55	1.06	44.47	23.09	1.20
360.0	35.70	58.76	12.03	37.39	6.70	1.06	44.51	23.12	1.16
370.0	35.42	58.66	12.15	34.85	6.85	1.06	45.67	23.11	1.25
380.0	35.14	58.57	12.32	32.81	7.01	1.05	45.04	23.12	1.28
390.0	34.85	58.49	12.47	31.14	7.19	1.05	45.38	23.13	1.32
400.0	34.57	58.63	12.64	29.85	7.56	1.05	44.79	23.12	1.39
410.0	34.28	58.50	12.82	28.75	7.71	1.05	44.83	23.16	1.32
420.0	34.00	58.39	13.01	27.77	7.88	1.05	45.90	23.14	1.40
430.0	33.70	58.36	13.18	26.86	8.14	1.04	45.90	23.18	1.51
440.0	33.42	58.45	13.40	26.08	8.51	1.04	45.87	23.19	1.51
450.0	33.14	58.27	13.58	25.39	8.63	1.04	45.76	23.18	1.57
500.0	31.68	58.69	14.92	22.67	10.79	1.03	46.17	23.20	1.79
550.0	30.17	59.49	17.08	20.81	14.22	1.01	45.42	23.15	2.16
600.0	28.56	61.11	20.73	19.37	20.78	1.00	45.94	23.19	2.88
650.0	26.74	64.07	27.77	18.29	36.17	0.99	47.05	23.17	3.81
700.0	24.57	69.51	43.26	17.44	86.72	0.98	46.63	23.20	4.97
750.0	21.98	77.04	26.87	16.65	276.70	0.98	46.96	23.23	7.42
800.0	18.88	68.88	22.71	15.88	153.25	0.98	47.08	23.21	8.68
850.0	15.35	64.48	20.91	15.05	137.45	0.98	46.99	23.19	11.44
900.0	11.36	62.06	20.06	14.44	163.44	0.97	46.44	23.21	14.65

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 = 158.44mA @ 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)
100.0	33.41	76.89	13.15	8.42	60.82	0.90	33.25	18.00	2.29
150.0	37.83	67.24	9.38	10.58	12.03	1.01	33.83	18.56	1.90
200.0	38.68	63.41	8.52	13.80	7.20	1.08	34.40	18.87	1.78
210.0	38.63	62.97	8.50	14.47	6.92	1.09	34.47	18.90	1.78
220.0	38.51	62.63	8.57	15.13	6.80	1.09	34.63	18.99	1.83
230.0	38.36	62.12	8.63	15.76	6.57	1.09	34.57	19.01	1.81
240.0	38.18	61.83	8.71	16.36	6.52	1.10	34.53	18.89	1.80
250.0	37.98	61.47	8.82	16.92	6.44	1.10	34.51	18.82	1.83
260.0	37.76	61.23	8.96	17.45	6.47	1.10	34.74	18.92	1.93
270.0	37.51	60.94	9.09	17.92	6.47	1.10	34.68	18.97	1.95
280.0	37.25	60.70	9.25	18.32	6.53	1.09	34.85	18.97	2.00
290.0	36.99	60.51	9.42	18.66	6.61	1.09	34.66	18.95	2.01
300.0	36.71	60.44	9.59	18.93	6.81	1.09	34.99	19.05	2.09
310.0	36.42	60.27	9.77	19.13	6.93	1.09	35.30	19.20	2.05
320.0	36.14	60.10	9.94	19.27	7.05	1.08	35.19	19.13	2.12
330.0	35.84	59.92	10.12	19.36	7.18	1.08	35.00	18.96	2.09
340.0	35.53	59.75	10.31	19.38	7.32	1.08	35.04	18.95	2.21
350.0	35.23	59.70	10.50	19.36	7.56	1.07	35.47	19.08	2.16
360.0	34.93	59.53	10.69	19.30	7.71	1.07	35.42	19.11	2.15
370.0	34.62	59.48	10.89	19.21	7.96	1.07	35.33	19.02	2.25
380.0	34.32	59.29	11.11	19.08	8.10	1.06	35.43	19.05	2.29
390.0	34.01	59.20	11.34	18.92	8.33	1.06	35.65	19.14	2.36
400.0	33.70	59.18	11.53	18.75	8.63	1.05	35.61	19.14	2.44
410.0	33.39	59.15	11.75	18.57	8.94	1.05	35.60	19.13	2.42
420.0	33.09	59.04	11.98	18.39	9.16	1.05	35.59	19.09	2.48
430.0	32.78	59.00	12.23	18.19	9.49	1.04	35.67	19.08	2.58
440.0	32.47	59.02	12.49	18.01	9.87	1.04	35.63	19.03	2.64
450.0	32.17	59.04	12.75	17.81	10.27	1.04	35.63	19.00	2.70
500.0	30.63	59.31	14.38	16.87	12.82	1.02	35.59	18.89	3.08
550.0	29.04	60.19	16.80	16.04	17.22	1.00	36.24	19.14	3.61
600.0	27.34	61.84	20.67	15.32	25.52	0.98	36.33	19.06	4.48
650.0	25.42	64.74	27.88	14.78	44.62	0.97	36.12	18.92	5.69
700.0	23.15	70.70	38.86	14.40	114.89	0.96	36.45	19.00	7.14
750.0	20.47	84.82	26.99	14.02	790.69	0.96	36.44	18.93	9.22
800.0	17.37	70.27	23.28	13.61	210.15	0.96	36.68	19.00	11.23
850.0	13.88	65.12	21.61	13.18	172.53	0.96	36.79	18.95	14.10
900.0	9.87	62.63	20.74	12.79	203.91	0.96	36.88	19.00	17.30

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 = 153.53mA @ 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)
100.0	33.35	76.49	13.11	8.41	58.49	0.90	33.09	17.73	2.25
150.0	37.77	67.40	9.35	10.55	12.31	1.01	33.81	18.35	1.86
200.0	38.63	63.49	8.48	13.76	7.30	1.08	34.23	18.66	1.79
210.0	38.58	62.75	8.48	14.42	6.79	1.09	34.35	18.69	1.79
220.0	38.46	62.58	8.53	15.08	6.80	1.09	34.49	18.78	1.84
230.0	38.31	62.16	8.60	15.71	6.63	1.10	34.60	18.81	1.79
240.0	38.13	61.78	8.68	16.31	6.51	1.10	34.42	18.70	1.79
250.0	37.93	61.39	8.80	16.88	6.41	1.10	34.41	18.64	1.85
260.0	37.71	61.20	8.92	17.41	6.47	1.10	34.61	18.74	1.95
270.0	37.46	60.90	9.06	17.88	6.47	1.10	34.70	18.77	1.92
280.0	37.20	60.70	9.22	18.28	6.56	1.09	34.66	18.77	1.97
290.0	36.94	60.46	9.37	18.63	6.60	1.09	34.69	18.76	2.03
300.0	36.66	60.35	9.55	18.91	6.77	1.09	34.85	18.86	2.10
310.0	36.37	60.22	9.73	19.12	6.92	1.09	35.20	19.01	2.08
320.0	36.09	59.98	9.92	19.27	6.99	1.08	35.18	18.95	2.13
330.0	35.79	59.72	10.09	19.37	7.05	1.08	34.87	18.79	2.07
340.0	35.49	59.77	10.27	19.40	7.37	1.08	34.93	18.78	2.19
350.0	35.18	59.56	10.47	19.39	7.48	1.07	35.10	18.91	2.14
360.0	34.88	59.40	10.67	19.34	7.63	1.07	35.20	18.92	2.16
370.0	34.58	59.37	10.86	19.26	7.90	1.07	35.27	18.85	2.23
380.0	34.27	59.26	11.08	19.14	8.11	1.06	35.34	18.87	2.28
390.0	33.96	59.19	11.27	18.99	8.35	1.06	35.43	18.95	2.33
400.0	33.65	59.17	11.50	18.83	8.67	1.06	35.50	18.96	2.42
410.0	33.35	59.06	11.72	18.65	8.89	1.05	35.59	18.95	2.39
420.0	33.05	59.06	11.94	18.47	9.22	1.05	35.47	18.91	2.47
430.0	32.73	59.09	12.20	18.28	9.63	1.04	35.43	18.91	2.61
440.0	32.42	59.02	12.45	18.10	9.92	1.04	35.39	18.86	2.63
450.0	32.12	58.96	12.71	17.90	10.23	1.04	35.53	18.84	2.72
500.0	30.59	59.28	14.34	16.97	12.83	1.02	35.40	18.74	3.05
550.0	29.00	60.05	16.77	16.14	17.02	1.00	36.19	18.96	3.61
600.0	27.31	61.57	20.59	15.42	24.87	0.98	36.13	18.89	4.46
650.0	25.39	64.74	27.84	14.88	44.81	0.97	35.88	18.76	5.69
700.0	23.12	70.53	38.84	14.50	113.27	0.96	36.22	18.84	7.14
750.0	20.44	84.71	27.04	14.13	784.28	0.96	36.25	18.80	9.17
800.0	17.34	69.71	23.29	13.71	198.13	0.96	36.52	18.86	11.24
850.0	13.85	65.14	21.60	13.28	173.65	0.96	36.60	18.81	14.10
900.0	9.84	62.60	20.74	12.89	204.38	0.96	36.74	18.85	17.30

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 = 163.36mA @ 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)
100.0	33.48	76.50	13.20	8.42	57.79	0.90	33.48	18.28	2.30
150.0	37.88	67.16	9.43	10.61	11.87	1.01	34.05	18.79	1.89
200.0	38.73	63.44	8.55	13.85	7.20	1.08	34.41	19.08	1.81
210.0	38.68	63.02	8.55	14.52	6.94	1.09	34.62	19.10	1.79
220.0	38.56	62.52	8.60	15.18	6.69	1.09	34.67	19.21	1.83
230.0	38.41	62.19	8.66	15.81	6.59	1.09	34.78	19.23	1.83
240.0	38.23	61.86	8.76	16.41	6.52	1.10	34.62	19.10	1.80
250.0	38.03	61.62	8.86	16.98	6.53	1.10	34.62	19.02	1.85
260.0	37.81	61.26	8.98	17.50	6.46	1.10	34.81	19.13	1.93
270.0	37.56	61.00	9.13	17.96	6.49	1.09	34.83	19.17	1.95
280.0	37.30	60.91	9.29	18.36	6.65	1.09	34.92	19.17	1.94
290.0	37.04	60.76	9.44	18.69	6.77	1.09	34.93	19.16	1.94
300.0	36.76	60.50	9.63	18.93	6.82	1.09	35.16	19.24	2.07
310.0	36.47	60.33	9.79	19.12	6.94	1.09	35.35	19.40	2.10
320.0	36.19	60.16	9.97	19.25	7.06	1.08	35.25	19.33	2.13
330.0	35.89	60.02	10.15	19.32	7.23	1.08	35.05	19.15	2.08
340.0	35.58	59.73	10.36	19.32	7.27	1.07	35.23	19.14	2.22
350.0	35.28	59.80	10.54	19.29	7.61	1.07	35.39	19.28	2.18
360.0	34.98	59.68	10.74	19.21	7.80	1.07	35.47	19.29	2.16
370.0	34.67	59.51	10.93	19.10	7.94	1.06	35.47	19.22	2.27
380.0	34.36	59.38	11.15	18.97	8.14	1.06	35.49	19.24	2.30
390.0	34.06	59.32	11.35	18.80	8.40	1.06	35.72	19.33	2.37
400.0	33.74	59.26	11.57	18.62	8.67	1.05	35.71	19.33	2.46
410.0	33.44	59.20	11.79	18.43	8.94	1.05	35.68	19.32	2.41
420.0	33.14	59.22	12.02	18.24	9.30	1.05	35.87	19.26	2.55
430.0	32.82	59.14	12.26	18.05	9.58	1.04	35.71	19.26	2.59
440.0	32.51	59.07	12.54	17.85	9.88	1.04	35.61	19.21	2.65
450.0	32.22	59.12	12.78	17.65	10.31	1.03	35.73	19.18	2.72
500.0	30.67	59.43	14.42	16.70	12.91	1.01	35.71	19.05	3.14
550.0	29.08	60.34	16.85	15.87	17.42	0.99	36.33	19.32	3.59
600.0	27.39	61.92	20.77	15.16	25.61	0.98	36.32	19.23	4.46
650.0	25.46	64.84	28.02	14.63	44.86	0.97	36.32	19.09	5.73
700.0	23.19	70.93	38.86	14.24	117.25	0.96	36.58	19.17	7.16
750.0	20.51	87.54	26.98	13.86	1074.40	0.96	36.55	19.09	9.14
800.0	17.41	70.07	23.31	13.45	204.21	0.96	36.87	19.16	11.24
850.0	13.92	65.16	21.59	13.03	172.21	0.96	36.98	19.11	14.09
900.0	9.91	62.54	20.75	12.64	200.58	0.95	37.01	19.16	17.32