

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 = 3.00V, Id = 63.57mA @ 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)
400.0	24.06	28.07	10.08	18.51	1.06	0.64	31.97	17.42	0.38
450.0	23.51	27.13	10.82	20.65	1.05	0.60	32.54	17.38	0.35
500.0	22.93	26.29	11.30	22.65	1.04	0.58	33.18	17.48	0.36
550.0	22.34	25.56	11.58	24.01	1.03	0.57	33.17	17.43	0.37
600.0	21.76	24.89	11.71	25.03	1.03	0.56	34.46	17.71	0.40
650.0	21.21	24.30	11.78	25.26	1.03	0.55	34.34	17.51	0.36
700.0	20.66	23.74	11.81	25.10	1.03	0.55	34.86	17.50	0.34
750.0	20.14	23.21	11.79	24.68	1.03	0.55	35.11	17.47	0.34
800.0	19.65	22.73	11.76	24.17	1.03	0.55	36.07	17.60	0.35
850.0	19.17	22.27	11.73	23.72	1.03	0.55	36.26	17.49	0.34
900.0	18.71	21.83	11.69	23.21	1.03	0.55	35.70	17.31	0.34
950.0	18.28	21.42	11.65	22.79	1.03	0.55	37.40	17.67	0.37
1000.0	17.86	21.02	11.62	22.43	1.03	0.56	37.11	17.49	0.29
1050.0	17.46	20.64	11.58	22.12	1.03	0.56	36.44	17.30	0.34
1100.0	17.08	20.28	11.55	21.76	1.03	0.56	37.91	17.34	0.38
1150.0	16.72	19.93	11.49	21.53	1.03	0.56	36.58	17.06	0.35
1200.0	16.37	19.60	11.45	21.24	1.03	0.56	39.75	17.37	0.41
1250.0	16.03	19.28	11.41	21.02	1.03	0.56	36.82	17.19	0.40
1300.0	15.70	18.97	11.40	20.72	1.03	0.56	37.89	17.39	0.40
1350.0	15.40	18.68	11.37	20.59	1.03	0.56	38.39	17.17	0.43
1400.0	15.09	18.39	11.33	20.35	1.04	0.57	38.92	17.34	0.41
1450.0	14.80	18.12	11.31	20.21	1.04	0.57	38.79	17.66	0.45
1500.0	14.52	17.84	11.29	20.11	1.04	0.57	39.11	17.26	0.41
1550.0	14.25	17.59	11.27	19.90	1.04	0.57	40.01	17.59	0.42
1600.0	13.98	17.34	11.21	19.76	1.04	0.57	38.37	17.22	0.45
1650.0	13.73	17.10	11.21	19.59	1.04	0.57	38.92	17.18	0.46
1700.0	13.47	16.86	11.18	19.44	1.04	0.57	38.52	17.29	0.44
1750.0	13.24	16.63	11.18	19.38	1.04	0.57	39.72	17.63	0.52
1800.0	13.00	16.42	11.17	19.29	1.04	0.58	39.30	17.27	0.44
1900.0	12.52	16.01	11.17	19.24	1.04	0.58	37.71	17.12	0.45
2000.0	12.10	15.60	11.21	19.17	1.04	0.58	38.93	17.44	0.47
2100.0	11.72	15.20	11.24	18.82	1.04	0.58	40.18	17.66	0.43
2200.0	11.34	14.83	11.24	18.53	1.04	0.58	39.38	17.65	0.49
2300.0	10.98	14.49	11.26	18.34	1.04	0.58	40.15	17.54	0.44
2400.0	10.62	14.16	11.30	18.11	1.04	0.58	38.27	17.13	0.51
2500.0	10.28	13.86	11.31	17.93	1.05	0.58	39.93	17.69	0.59
2600.0	9.93	13.57	11.37	17.66	1.05	0.59	39.99	17.71	0.64
2700.0	9.59	13.32	11.44	17.48	1.05	0.59	39.24	17.65	0.73
2800.0	9.24	13.10	11.58	17.34	1.06	0.60	38.37	17.63	0.80
2900.0	8.86	12.93	11.84	17.46	1.07	0.62	39.46	17.33	0.90
3000.0	8.49	12.77	12.37	18.11	1.09	0.64	39.39	17.52	0.85

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 = 2.70V, Id = 55.66mA @ 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)
400.0	23.96	27.91	9.68	18.98	1.05	0.65	31.50	16.52	0.37
450.0	23.42	26.97	10.45	21.40	1.04	0.61	32.92	16.49	0.39
500.0	22.84	26.16	10.92	23.66	1.03	0.58	33.72	16.62	0.38
550.0	22.26	25.43	11.22	25.11	1.03	0.57	33.92	16.58	0.38
600.0	21.68	24.78	11.36	26.07	1.02	0.56	35.36	16.89	0.39
650.0	21.12	24.19	11.45	26.05	1.02	0.56	36.07	16.73	0.37
700.0	20.58	23.65	11.50	25.58	1.02	0.56	36.50	16.74	0.32
750.0	20.06	23.13	11.52	24.92	1.02	0.56	36.64	16.74	0.38
800.0	19.56	22.65	11.50	24.22	1.02	0.56	38.26	16.87	0.33
850.0	19.08	22.19	11.48	23.65	1.03	0.56	40.29	16.78	0.33
900.0	18.63	21.77	11.46	23.06	1.03	0.56	38.94	16.61	0.35
950.0	18.19	21.35	11.42	22.56	1.03	0.56	41.54	16.97	0.37
1000.0	17.77	20.96	11.37	22.16	1.03	0.56	42.42	16.81	0.29
1050.0	17.37	20.59	11.36	21.83	1.03	0.56	41.10	16.62	0.33
1100.0	17.00	20.23	11.32	21.46	1.03	0.57	41.89	16.68	0.39
1150.0	16.63	19.88	11.28	21.21	1.03	0.57	38.47	16.41	0.36
1200.0	16.28	19.55	11.23	20.90	1.03	0.57	43.88	16.72	0.40
1250.0	15.94	19.24	11.21	20.69	1.03	0.57	39.24	16.54	0.37
1300.0	15.62	18.93	11.21	20.38	1.03	0.57	40.19	16.73	0.43
1350.0	15.31	18.64	11.16	20.24	1.03	0.57	40.17	16.53	0.42
1400.0	15.00	18.35	11.15	20.00	1.03	0.57	40.92	16.69	0.42
1450.0	14.71	18.08	11.13	19.87	1.04	0.57	41.94	16.99	0.44
1500.0	14.43	17.81	11.10	19.75	1.04	0.57	40.01	16.63	0.44
1550.0	14.16	17.55	11.08	19.55	1.04	0.58	42.21	16.93	0.41
1600.0	13.90	17.30	11.03	19.42	1.04	0.58	38.02	16.59	0.48
1650.0	13.64	17.06	11.03	19.25	1.04	0.58	39.42	16.55	0.47
1700.0	13.39	16.82	10.98	19.10	1.04	0.58	39.16	16.66	0.49
1750.0	13.15	16.60	11.00	19.03	1.04	0.58	41.28	16.98	0.51
1800.0	12.91	16.39	11.00	18.95	1.04	0.58	37.95	16.63	0.44
1900.0	12.43	15.98	11.00	18.90	1.04	0.59	38.48	16.50	0.46
2000.0	12.02	15.57	11.05	18.82	1.04	0.59	38.25	16.80	0.46
2100.0	11.63	15.17	11.06	18.48	1.04	0.59	39.24	17.00	0.40
2200.0	11.25	14.80	11.06	18.21	1.04	0.58	38.03	16.99	0.48
2300.0	10.89	14.46	11.08	18.01	1.04	0.59	38.36	16.88	0.46
2400.0	10.54	14.13	11.12	17.79	1.04	0.59	36.12	16.51	0.54
2500.0	10.20	13.83	11.16	17.60	1.05	0.59	37.81	17.03	0.55
2600.0	9.85	13.55	11.20	17.36	1.05	0.59	37.84	17.05	0.60
2700.0	9.51	13.29	11.28	17.19	1.05	0.60	37.53	16.98	0.72
2800.0	9.16	13.07	11.42	17.06	1.06	0.61	37.61	16.94	0.78
2900.0	8.78	12.90	11.69	17.18	1.08	0.62	36.88	16.64	0.93
3000.0	8.41	12.75	12.20	17.81	1.09	0.64	36.89	16.77	0.88

Typical Performance Data

Definitions:

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

TEST CONDITIONS: Vd = 3.30V, Id = 71.41mA @ 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)
400.0	24.15	28.21	10.44	18.07	1.07	0.63	31.82	18.22	0.43
450.0	23.60	27.25	11.20	20.02	1.05	0.60	32.14	18.14	0.42
500.0	23.02	26.40	11.68	21.83	1.04	0.57	32.42	18.22	0.42
550.0	22.43	25.66	11.90	23.09	1.04	0.56	32.57	18.15	0.41
600.0	21.85	24.98	12.02	24.12	1.03	0.55	33.99	18.42	0.40
650.0	21.30	24.38	12.06	24.52	1.03	0.55	33.94	18.17	0.39
700.0	20.75	23.81	12.07	24.59	1.03	0.54	34.23	18.15	0.37
750.0	20.23	23.28	12.05	24.36	1.03	0.54	33.80	18.10	0.43
800.0	19.73	22.79	12.00	23.98	1.03	0.54	34.71	18.22	0.38
850.0	19.26	22.32	11.97	23.65	1.03	0.54	35.72	18.09	0.40
900.0	18.80	21.88	11.92	23.21	1.03	0.55	35.48	17.90	0.40
950.0	18.37	21.46	11.86	22.83	1.03	0.55	36.06	18.27	0.47
1000.0	17.95	21.06	11.82	22.52	1.03	0.55	36.04	18.09	0.35
1050.0	17.55	20.68	11.75	22.24	1.03	0.55	36.06	17.87	0.37
1100.0	17.17	20.32	11.73	21.91	1.03	0.55	36.00	17.93	0.43
1150.0	16.81	19.97	11.67	21.67	1.03	0.55	35.83	17.62	0.39
1200.0	16.45	19.63	11.62	21.39	1.03	0.55	37.57	17.94	0.44
1250.0	16.12	19.31	11.58	21.20	1.03	0.55	36.69	17.75	0.42
1300.0	15.79	19.00	11.56	20.90	1.03	0.55	36.78	17.96	0.42
1350.0	15.48	18.71	11.53	20.77	1.03	0.56	36.28	17.74	0.44
1400.0	15.18	18.42	11.49	20.54	1.03	0.56	37.59	17.91	0.49
1450.0	14.89	18.14	11.48	20.41	1.03	0.56	37.57	18.24	0.49
1500.0	14.61	17.86	11.43	20.31	1.03	0.56	37.63	17.82	0.48
1550.0	14.33	17.61	11.40	20.09	1.04	0.56	38.19	18.17	0.43
1600.0	14.07	17.36	11.36	19.97	1.04	0.56	37.28	17.78	0.49
1650.0	13.82	17.12	11.36	19.79	1.04	0.56	37.83	17.75	0.52
1700.0	13.56	16.88	11.32	19.64	1.04	0.56	38.48	17.85	0.52
1750.0	13.32	16.65	11.32	19.58	1.04	0.56	38.53	18.20	0.52
1800.0	13.08	16.44	11.30	19.50	1.04	0.57	38.28	17.83	0.46
1900.0	12.61	16.03	11.30	19.44	1.04	0.57	36.92	17.67	0.48
2000.0	12.19	15.62	11.34	19.38	1.04	0.57	37.38	18.03	0.49
2100.0	11.81	15.22	11.36	19.02	1.04	0.57	39.45	18.23	0.42
2200.0	11.43	14.85	11.36	18.75	1.04	0.57	38.36	18.23	0.56
2300.0	11.06	14.50	11.37	18.54	1.04	0.57	39.21	18.11	0.51
2400.0	10.71	14.17	11.41	18.32	1.04	0.57	37.72	17.69	0.54
2500.0	10.37	13.87	11.43	18.12	1.04	0.57	39.59	18.28	0.62
2600.0	10.02	13.58	11.49	17.86	1.05	0.58	38.91	18.32	0.66
2700.0	9.68	13.33	11.55	17.68	1.05	0.58	39.10	18.25	0.73
2800.0	9.33	13.11	11.68	17.53	1.06	0.59	40.06	18.23	0.80
2900.0	8.95	12.94	11.95	17.65	1.07	0.61	38.93	17.93	0.91
3000.0	8.58	12.78	12.48	18.30	1.09	0.63	41.27	18.16	0.89

Typical Performance Data

Definitions:

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

TEST CONDITIONS: Vd = 3.00V, Id = 67.77mA @ 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)
400.0	24.40	28.44	10.80	16.77	1.07	0.61	33.33	17.14	0.27
450.0	23.84	27.44	11.67	18.41	1.06	0.57	33.48	17.06	0.25
500.0	23.26	26.55	12.28	19.94	1.05	0.55	33.80	17.19	0.27
550.0	22.66	25.78	12.54	20.95	1.04	0.53	33.66	17.15	0.29
600.0	22.08	25.08	12.56	21.60	1.04	0.52	34.57	17.48	0.26
650.0	21.52	24.45	12.47	21.78	1.03	0.51	33.99	17.31	0.25
700.0	20.97	23.87	12.43	22.01	1.03	0.51	34.82	17.35	0.24
750.0	20.45	23.32	12.45	22.31	1.03	0.51	34.58	17.37	0.27
800.0	19.95	22.81	12.41	22.37	1.03	0.51	34.98	17.56	0.24
850.0	19.48	22.33	12.33	22.20	1.03	0.51	35.24	17.50	0.22
900.0	19.02	21.88	12.21	21.82	1.03	0.51	35.06	17.31	0.23
950.0	18.59	21.45	12.14	21.62	1.03	0.51	35.91	17.72	0.27
1000.0	18.17	21.04	12.12	21.58	1.03	0.51	35.89	17.58	0.19
1050.0	17.78	20.64	12.08	21.55	1.03	0.51	35.34	17.35	0.21
1100.0	17.40	20.26	12.08	21.31	1.03	0.51	35.91	17.45	0.26
1150.0	17.04	19.91	12.02	21.04	1.03	0.51	34.97	17.14	0.22
1200.0	16.69	19.57	11.90	20.66	1.03	0.51	35.61	17.48	0.25
1250.0	16.35	19.24	11.80	20.35	1.03	0.51	35.24	17.22	0.25
1300.0	16.03	18.93	11.77	19.98	1.03	0.51	36.01	17.49	0.26
1350.0	15.72	18.63	11.68	19.74	1.03	0.51	35.26	17.22	0.28
1400.0	15.41	18.34	11.58	19.38	1.03	0.51	36.32	17.41	0.28
1450.0	15.12	18.06	11.52	19.17	1.03	0.51	36.98	17.72	0.28
1500.0	14.84	17.79	11.46	19.08	1.03	0.51	35.88	17.36	0.28
1550.0	14.56	17.53	11.43	18.92	1.03	0.51	37.23	17.62	0.25
1600.0	14.30	17.27	11.39	18.83	1.03	0.51	36.35	17.37	0.31
1650.0	14.04	17.03	11.38	18.74	1.03	0.51	35.86	17.30	0.32
1700.0	13.79	16.78	11.32	18.66	1.03	0.52	36.72	17.45	0.29
1750.0	13.56	16.55	11.33	18.63	1.03	0.52	37.44	17.78	0.33
1800.0	13.32	16.34	11.28	18.47	1.03	0.52	36.15	17.37	0.28
1900.0	12.84	15.93	11.19	18.27	1.03	0.53	35.43	17.20	0.26
2000.0	12.43	15.51	11.28	18.40	1.03	0.53	35.90	17.51	0.26
2100.0	12.04	15.10	11.30	18.10	1.03	0.52	37.13	17.77	0.23
2200.0	11.66	14.73	11.16	17.67	1.03	0.52	37.66	17.83	0.23
2300.0	11.30	14.39	11.17	17.43	1.03	0.52	36.71	17.63	0.26
2400.0	10.94	14.06	11.19	17.22	1.03	0.52	35.50	17.26	0.30
2500.0	10.60	13.75	11.12	17.00	1.03	0.52	37.84	17.85	0.38
2600.0	10.26	13.46	11.18	16.77	1.03	0.53	36.69	17.78	0.40
2700.0	9.93	13.20	11.29	16.80	1.04	0.54	38.16	17.84	0.43
2800.0	9.58	12.97	11.47	16.86	1.04	0.55	37.42	17.81	0.52
2900.0	9.21	12.78	11.85	17.18	1.05	0.56	37.40	17.48	0.63
3000.0	8.86	12.61	12.59	18.13	1.07	0.58	38.71	17.82	0.56

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 = 2.70V, Id = 58.66mA @ 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)
400.0	24.31	28.30	10.38	17.21	1.06	0.62	33.07	16.34	0.26
450.0	23.76	27.32	11.28	19.00	1.05	0.58	33.13	16.28	0.26
500.0	23.18	26.45	11.86	20.64	1.04	0.55	33.95	16.39	0.28
550.0	22.59	25.68	12.14	21.68	1.04	0.54	33.69	16.34	0.29
600.0	22.00	25.00	12.20	22.31	1.03	0.53	35.19	16.70	0.26
650.0	21.44	24.38	12.16	22.39	1.03	0.52	34.63	16.52	0.26
700.0	20.89	23.81	12.15	22.50	1.03	0.52	35.39	16.56	0.23
750.0	20.37	23.26	12.17	22.72	1.03	0.52	34.67	16.58	0.25
800.0	19.87	22.76	12.16	22.71	1.03	0.52	35.75	16.79	0.24
850.0	19.40	22.28	12.09	22.45	1.03	0.52	35.91	16.75	0.25
900.0	18.94	21.84	11.98	21.99	1.03	0.52	35.60	16.56	0.23
950.0	18.51	21.41	11.92	21.74	1.03	0.52	36.49	16.98	0.28
1000.0	18.10	21.00	11.91	21.67	1.03	0.52	37.64	16.84	0.19
1050.0	17.70	20.61	11.89	21.63	1.03	0.52	36.28	16.64	0.21
1100.0	17.33	20.24	11.88	21.34	1.03	0.52	36.57	16.73	0.26
1150.0	16.96	19.88	11.82	21.04	1.03	0.52	35.94	16.45	0.24
1200.0	16.61	19.55	11.71	20.63	1.03	0.52	37.23	16.80	0.31
1250.0	16.27	19.22	11.62	20.31	1.03	0.52	36.19	16.57	0.23
1300.0	15.95	18.91	11.59	19.93	1.03	0.52	37.04	16.81	0.26
1350.0	15.64	18.61	11.53	19.67	1.03	0.52	36.48	16.55	0.30
1400.0	15.33	18.32	11.44	19.30	1.03	0.52	37.37	16.76	0.32
1450.0	15.04	18.04	11.35	19.08	1.03	0.52	37.77	17.06	0.27
1500.0	14.76	17.77	11.31	18.97	1.03	0.52	37.18	16.69	0.27
1550.0	14.48	17.51	11.27	18.81	1.03	0.52	37.79	16.96	0.25
1600.0	14.22	17.25	11.23	18.73	1.03	0.52	37.29	16.73	0.29
1650.0	13.97	17.01	11.22	18.63	1.03	0.52	37.82	16.66	0.31
1700.0	13.71	16.77	11.16	18.55	1.03	0.53	38.74	16.82	0.31
1750.0	13.48	16.54	11.17	18.52	1.03	0.53	37.63	17.15	0.32
1800.0	13.24	16.33	11.15	18.36	1.03	0.53	36.80	16.74	0.28
1900.0	12.76	15.92	11.07	18.15	1.03	0.53	36.42	16.58	0.28
2000.0	12.35	15.50	11.17	18.29	1.03	0.53	37.37	16.89	0.30
2100.0	11.97	15.09	11.15	17.97	1.03	0.53	38.22	17.12	0.23
2200.0	11.58	14.72	11.04	17.54	1.03	0.53	39.06	17.17	0.26
2300.0	11.22	14.38	11.04	17.30	1.03	0.53	38.22	17.00	0.29
2400.0	10.87	14.05	11.05	17.10	1.03	0.53	37.35	16.63	0.32
2500.0	10.52	13.74	10.99	16.88	1.03	0.53	38.72	17.21	0.37
2600.0	10.18	13.45	11.03	16.65	1.03	0.54	37.83	17.14	0.37
2700.0	9.85	13.19	11.18	16.68	1.04	0.54	40.20	17.17	0.47
2800.0	9.51	12.96	11.34	16.75	1.04	0.55	39.68	17.12	0.52
2900.0	9.14	12.77	11.74	17.05	1.06	0.57	38.30	16.84	0.65
3000.0	8.78	12.60	12.46	17.99	1.07	0.59	40.32	17.07	0.57

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 = 3.30V, Id = 76.75mA @ 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)
400.0	24.47	28.54	11.12	16.48	1.07	0.61	32.95	17.99	0.27
450.0	23.91	27.51	12.04	18.04	1.06	0.57	32.98	17.90	0.26
500.0	23.32	26.62	12.61	19.49	1.05	0.54	33.35	18.02	0.27
550.0	22.72	25.85	12.82	20.46	1.04	0.53	33.13	17.99	0.27
600.0	22.14	25.14	12.82	21.14	1.04	0.51	34.40	18.30	0.22
650.0	21.57	24.51	12.72	21.40	1.03	0.51	33.84	18.14	0.23
700.0	21.03	23.92	12.66	21.71	1.03	0.51	34.36	18.16	0.23
750.0	20.51	23.36	12.67	22.09	1.03	0.50	33.74	18.15	0.22
800.0	20.01	22.84	12.61	22.20	1.03	0.50	34.59	18.33	0.23
850.0	19.54	22.36	12.52	22.05	1.03	0.50	34.73	18.25	0.22
900.0	19.08	21.91	12.40	21.70	1.03	0.50	34.11	18.03	0.24
950.0	18.65	21.48	12.32	21.57	1.03	0.50	35.32	18.43	0.25
1000.0	18.23	21.06	12.28	21.57	1.03	0.50	35.45	18.27	0.19
1050.0	17.84	20.67	12.26	21.57	1.03	0.50	34.82	18.04	0.19
1100.0	17.46	20.29	12.24	21.33	1.03	0.50	35.23	18.11	0.24
1150.0	17.10	19.93	12.16	21.07	1.03	0.50	34.31	17.78	0.24
1200.0	16.75	19.59	12.04	20.70	1.03	0.50	35.45	18.12	0.28
1250.0	16.41	19.26	11.94	20.41	1.03	0.50	34.96	17.87	0.25
1300.0	16.09	18.94	11.90	20.06	1.03	0.50	35.33	18.11	0.28
1350.0	15.78	18.64	11.83	19.82	1.03	0.50	34.42	17.83	0.30
1400.0	15.47	18.35	11.71	19.46	1.03	0.50	35.70	18.03	0.30
1450.0	15.18	18.07	11.64	19.26	1.03	0.50	35.84	18.33	0.30
1500.0	14.90	17.80	11.57	19.17	1.03	0.50	35.32	17.95	0.29
1550.0	14.62	17.53	11.55	19.01	1.03	0.51	36.00	18.21	0.25
1600.0	14.36	17.28	11.49	18.94	1.03	0.51	35.19	17.95	0.32
1650.0	14.11	17.03	11.49	18.85	1.03	0.51	35.40	17.89	0.32
1700.0	13.85	16.79	11.43	18.77	1.03	0.51	35.81	18.02	0.27
1750.0	13.62	16.56	11.43	18.75	1.03	0.51	36.72	18.38	0.36
1800.0	13.38	16.34	11.40	18.58	1.03	0.51	36.02	17.95	0.25
1900.0	12.90	15.94	11.30	18.38	1.03	0.52	35.16	17.76	0.28
2000.0	12.49	15.52	11.41	18.54	1.03	0.52	35.54	18.09	0.27
2100.0	12.10	15.11	11.40	18.21	1.03	0.51	35.86	18.35	0.22
2200.0	11.72	14.74	11.27	17.78	1.03	0.51	36.69	18.41	0.24
2300.0	11.36	14.39	11.26	17.54	1.03	0.51	35.75	18.19	0.25
2400.0	11.00	14.06	11.27	17.35	1.03	0.51	35.22	17.79	0.27
2500.0	10.66	13.75	11.20	17.11	1.03	0.52	36.34	18.42	0.33
2600.0	10.32	13.47	11.25	16.89	1.03	0.52	36.10	18.35	0.38
2700.0	9.99	13.20	11.40	16.92	1.04	0.53	37.04	18.44	0.44
2800.0	9.64	12.97	11.57	16.99	1.04	0.54	37.08	18.39	0.54
2900.0	9.27	12.79	11.96	17.31	1.05	0.56	36.25	18.12	0.65
3000.0	8.92	12.61	12.68	18.27	1.07	0.58	37.61	18.47	0.58

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 = 3.00V, Id = 61.82mA @ 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)
400.0	23.81	27.80	9.64	19.58	1.05	0.65	30.52	17.25	0.58
450.0	23.28	26.88	10.32	22.30	1.04	0.62	31.31	17.16	0.54
500.0	22.71	26.09	10.72	24.93	1.03	0.60	31.69	17.20	0.57
550.0	22.12	25.39	10.94	26.72	1.02	0.59	31.66	17.10	0.53
600.0	21.55	24.75	11.09	28.09	1.02	0.58	32.92	17.35	0.54
650.0	21.00	24.18	11.21	28.28	1.02	0.58	33.56	17.13	0.53
700.0	20.46	23.64	11.32	27.84	1.02	0.58	33.53	17.11	0.51
750.0	19.94	23.13	11.36	26.99	1.02	0.58	33.40	17.08	0.49
800.0	19.44	22.66	11.33	26.05	1.02	0.58	34.13	17.21	0.54
850.0	18.97	22.21	11.34	25.34	1.03	0.58	34.77	17.07	0.51
900.0	18.51	21.78	11.33	24.64	1.03	0.58	35.13	16.90	0.52
950.0	18.08	21.38	11.36	24.16	1.03	0.58	35.98	17.26	0.55
1000.0	17.67	20.99	11.37	23.75	1.03	0.59	36.02	17.10	0.49
1050.0	17.27	20.62	11.36	23.49	1.03	0.59	35.90	16.92	0.50
1100.0	16.90	20.26	11.36	23.14	1.03	0.59	36.65	16.97	0.59
1150.0	16.53	19.92	11.34	22.89	1.03	0.59	36.30	16.70	0.54
1200.0	16.18	19.59	11.32	22.57	1.03	0.59	37.29	17.00	0.57
1250.0	15.85	19.28	11.32	22.36	1.04	0.59	37.43	16.86	0.56
1300.0	15.53	18.97	11.34	22.06	1.04	0.59	37.76	17.04	0.63
1350.0	15.22	18.68	11.34	21.92	1.04	0.60	37.55	16.84	0.61
1400.0	14.91	18.40	11.33	21.70	1.04	0.60	38.43	16.99	0.63
1450.0	14.63	18.13	11.34	21.56	1.04	0.60	38.47	17.33	0.64
1500.0	14.35	17.85	11.33	21.47	1.04	0.60	39.05	16.94	0.62
1550.0	14.07	17.60	11.31	21.24	1.04	0.60	38.68	17.30	0.61
1600.0	13.81	17.35	11.28	21.08	1.04	0.60	41.49	16.86	0.65
1650.0	13.56	17.11	11.28	20.87	1.04	0.60	39.98	16.84	0.65
1700.0	13.30	16.88	11.25	20.68	1.04	0.60	41.15	16.95	0.65
1750.0	13.07	16.65	11.25	20.60	1.04	0.60	39.21	17.28	0.68
1800.0	12.82	16.45	11.24	20.47	1.04	0.61	42.27	16.97	0.64
1900.0	12.35	16.04	11.23	20.35	1.05	0.61	40.55	16.83	0.69
2000.0	11.93	15.64	11.25	20.13	1.05	0.61	40.97	17.14	0.68
2100.0	11.54	15.24	11.24	19.60	1.05	0.61	43.07	17.32	0.66
2200.0	11.16	14.88	11.22	19.16	1.05	0.61	47.94	17.27	0.73
2300.0	10.79	14.54	11.20	18.83	1.05	0.61	43.07	17.19	0.71
2400.0	10.43	14.22	11.21	18.49	1.05	0.61	41.18	16.79	0.78
2500.0	10.09	13.92	11.22	18.20	1.05	0.61	48.79	17.32	0.85
2600.0	9.74	13.64	11.25	17.84	1.06	0.62	42.49	17.39	0.87
2700.0	9.40	13.40	11.29	17.55	1.06	0.62	40.87	17.26	0.97
2800.0	9.04	13.19	11.40	17.31	1.07	0.63	45.96	17.24	1.13
2900.0	8.65	13.02	11.63	17.35	1.09	0.65	42.72	16.95	1.24
3000.0	8.28	12.87	12.09	17.86	1.10	0.67	40.65	17.04	1.18

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 = 2.70V, Id = 54.37mA @ 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)
400.0	23.68	27.62	9.22	20.00	1.04	0.66	30.45	16.33	0.60
450.0	23.17	26.71	9.91	23.13	1.03	0.63	31.19	16.28	0.56
500.0	22.60	25.93	10.32	26.37	1.02	0.61	31.72	16.38	0.55
550.0	22.01	25.24	10.58	28.56	1.02	0.60	31.70	16.30	0.57
600.0	21.44	24.62	10.75	29.85	1.02	0.59	33.45	16.56	0.54
650.0	20.89	24.06	10.91	29.38	1.02	0.59	33.81	16.37	0.54
700.0	20.35	23.53	11.01	28.27	1.02	0.59	34.64	16.37	0.53
750.0	19.83	23.03	11.06	27.07	1.02	0.59	34.01	16.35	0.53
800.0	19.34	22.57	11.05	25.98	1.02	0.59	34.99	16.49	0.51
850.0	18.86	22.13	11.06	25.15	1.02	0.59	36.48	16.36	0.52
900.0	18.41	21.71	11.08	24.39	1.02	0.59	36.70	16.20	0.52
950.0	17.98	21.31	11.12	23.86	1.03	0.59	36.60	16.56	0.54
1000.0	17.56	20.93	11.12	23.41	1.03	0.60	37.49	16.39	0.47
1050.0	17.17	20.56	11.13	23.12	1.03	0.60	36.87	16.23	0.51
1100.0	16.79	20.21	11.14	22.75	1.03	0.60	38.44	16.28	0.57
1150.0	16.43	19.87	11.12	22.51	1.03	0.60	38.12	16.02	0.53
1200.0	16.08	19.55	11.11	22.19	1.03	0.60	40.26	16.32	0.60
1250.0	15.75	19.23	11.11	21.97	1.03	0.60	40.71	16.17	0.60
1300.0	15.42	18.93	11.13	21.67	1.04	0.60	41.53	16.34	0.60
1350.0	15.11	18.64	11.13	21.55	1.04	0.60	41.14	16.15	0.62
1400.0	14.81	18.36	11.12	21.32	1.04	0.61	46.23	16.31	0.62
1450.0	14.52	18.09	11.14	21.18	1.04	0.61	41.87	16.62	0.63
1500.0	14.24	17.82	11.12	21.09	1.04	0.61	44.54	16.24	0.62
1550.0	13.97	17.57	11.12	20.87	1.04	0.61	43.24	16.60	0.62
1600.0	13.71	17.32	11.08	20.71	1.04	0.61	41.62	16.19	0.67
1650.0	13.46	17.08	11.10	20.50	1.04	0.61	45.78	16.16	0.64
1700.0	13.20	16.85	11.05	20.32	1.04	0.61	44.41	16.26	0.65
1750.0	12.96	16.62	11.06	20.25	1.04	0.61	47.77	16.58	0.68
1800.0	12.72	16.42	11.06	20.11	1.04	0.61	42.81	16.27	0.62
1900.0	12.25	16.02	11.05	20.00	1.05	0.62	41.50	16.14	0.67
2000.0	11.83	15.61	11.10	19.76	1.05	0.62	41.62	16.44	0.69
2100.0	11.44	15.22	11.10	19.26	1.05	0.62	44.68	16.63	0.65
2200.0	11.06	14.86	11.06	18.82	1.05	0.62	38.25	16.54	0.71
2300.0	10.69	14.52	11.04	18.51	1.05	0.62	42.10	16.52	0.73
2400.0	10.33	14.20	11.05	18.17	1.05	0.62	37.90	16.09	0.76
2500.0	9.99	13.90	11.06	17.89	1.06	0.62	40.40	16.61	0.85
2600.0	9.64	13.62	11.09	17.55	1.06	0.63	39.65	16.67	0.90
2700.0	9.29	13.38	11.12	17.26	1.06	0.63	36.85	16.54	0.98
2800.0	8.93	13.17	11.25	17.04	1.07	0.64	39.05	16.50	1.12
2900.0	8.55	13.00	11.49	17.07	1.09	0.66	38.37	16.24	1.20
3000.0	8.18	12.85	11.92	17.56	1.11	0.67	37.41	16.31	1.19

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 = 3.30V, Id = 69.31mA @ 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)
400.0	23.90	27.94	9.97	19.19	1.06	0.65	30.99	18.00	0.59
450.0	23.36	27.02	10.64	21.65	1.04	0.62	31.51	17.86	0.56
500.0	22.79	26.21	11.05	24.01	1.03	0.60	31.60	17.87	0.56
550.0	22.20	25.50	11.25	25.73	1.03	0.58	31.89	17.73	0.55
600.0	21.63	24.86	11.39	27.23	1.03	0.58	33.25	17.98	0.54
650.0	21.08	24.27	11.51	27.79	1.03	0.58	33.29	17.72	0.53
700.0	20.54	23.73	11.58	27.71	1.03	0.57	33.64	17.70	0.52
750.0	20.02	23.21	11.60	27.11	1.03	0.57	33.48	17.66	0.52
800.0	19.52	22.74	11.57	26.33	1.03	0.58	34.68	17.79	0.53
850.0	19.05	22.29	11.56	25.70	1.03	0.58	34.73	17.64	0.52
900.0	18.60	21.86	11.56	25.06	1.03	0.58	34.88	17.47	0.52
950.0	18.17	21.45	11.57	24.66	1.03	0.58	35.20	17.84	0.55
1000.0	17.75	21.06	11.55	24.26	1.03	0.58	35.34	17.66	0.50
1050.0	17.35	20.68	11.56	24.01	1.03	0.58	35.23	17.49	0.51
1100.0	16.98	20.32	11.56	23.63	1.03	0.58	36.55	17.54	0.56
1150.0	16.62	19.98	11.55	23.42	1.03	0.59	36.18	17.27	0.54
1200.0	16.26	19.65	11.52	23.09	1.04	0.59	36.97	17.57	0.58
1250.0	15.93	19.33	11.51	22.88	1.04	0.59	36.58	17.42	0.57
1300.0	15.61	19.02	11.53	22.57	1.04	0.59	37.11	17.61	0.58
1350.0	15.30	18.73	11.53	22.45	1.04	0.59	37.02	17.40	0.63
1400.0	14.99	18.45	11.51	22.22	1.04	0.59	37.52	17.57	0.62
1450.0	14.71	18.17	11.53	22.07	1.04	0.59	37.56	17.91	0.65
1500.0	14.43	17.90	11.50	21.99	1.04	0.59	37.58	17.50	0.60
1550.0	14.16	17.65	11.49	21.74	1.04	0.59	38.03	17.88	0.60
1600.0	13.89	17.40	11.45	21.57	1.04	0.60	39.38	17.43	0.66
1650.0	13.64	17.16	11.45	21.35	1.04	0.60	38.87	17.42	0.67
1700.0	13.38	16.92	11.39	21.16	1.04	0.60	38.75	17.52	0.65
1750.0	13.15	16.70	11.42	21.08	1.04	0.60	38.74	17.86	0.70
1800.0	12.91	16.49	11.40	20.93	1.04	0.60	40.54	17.54	0.65
1900.0	12.43	16.08	11.40	20.79	1.05	0.61	39.13	17.39	0.69
2000.0	12.01	15.68	11.43	20.56	1.05	0.61	38.86	17.73	0.66
2100.0	11.62	15.28	11.42	20.01	1.05	0.60	41.68	17.91	0.64
2200.0	11.24	14.92	11.38	19.53	1.05	0.61	44.28	17.83	0.69
2300.0	10.87	14.58	11.35	19.19	1.05	0.61	40.51	17.80	0.75
2400.0	10.51	14.26	11.36	18.83	1.05	0.61	42.69	17.35	0.78
2500.0	10.16	13.96	11.36	18.52	1.05	0.61	43.29	17.90	0.84
2600.0	9.82	13.68	11.37	18.15	1.06	0.61	42.90	17.99	0.87
2700.0	9.47	13.43	11.41	17.83	1.06	0.62	49.39	17.85	1.00
2800.0	9.11	13.22	11.52	17.58	1.07	0.63	46.61	17.83	1.11
2900.0	8.73	13.05	11.76	17.61	1.09	0.65	45.14	17.53	1.22
3000.0	8.35	12.90	12.22	18.14	1.10	0.66	42.45	17.67	1.20