

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=122.35mA @ Temperature = +25degC

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)
900.0	20.65	32.53	11.13	15.25	1.87	0.99	37.57	20.86	3.44
950.0	20.69	32.33	11.79	15.95	1.86	0.98	37.25	20.89	3.36
1000.0	20.69	32.13	12.25	16.66	1.83	0.97	37.35	20.92	3.41
1050.0	20.66	31.75	12.60	17.39	1.78	0.97	37.10	20.90	3.39
1100.0	20.62	31.71	12.70	18.03	1.79	0.97	37.18	20.87	3.36
1150.0	20.55	31.53	12.69	18.54	1.77	0.97	36.97	20.90	3.32
1200.0	20.49	31.46	12.59	19.02	1.77	0.97	36.81	20.81	3.31
1250.0	20.43	31.33	12.42	19.45	1.76	0.98	36.94	20.77	3.27
1300.0	20.36	31.12	12.28	19.96	1.73	0.98	37.02	20.81	3.27
1350.0	20.30	31.14	12.10	20.44	1.74	0.98	36.87	20.79	3.21
1400.0	20.25	31.02	11.94	20.78	1.73	0.98	36.47	20.80	3.19
1450.0	20.21	30.96	11.80	21.01	1.72	0.99	36.37	20.73	3.14
1500.0	20.17	30.89	11.68	21.24	1.71	0.99	36.16	20.64	3.12
1550.0	20.14	30.69	11.59	21.47	1.68	0.99	36.34	20.71	3.06
1600.0	20.12	30.82	11.52	21.70	1.71	0.99	36.09	20.68	3.02
1650.0	20.11	30.75	11.45	22.12	1.70	0.99	36.12	20.71	2.97
1700.0	20.12	30.66	11.46	22.34	1.68	0.99	36.12	20.79	2.92
1750.0	20.12	30.63	11.43	22.47	1.68	0.99	35.84	20.76	2.89
1800.0	20.14	30.52	11.44	22.48	1.66	0.99	36.05	20.76	2.81
1850.0	20.15	30.64	11.55	22.48	1.68	0.99	35.76	20.81	2.80
1900.0	20.17	30.44	11.60	22.67	1.65	0.98	35.73	20.80	2.80
1950.0	20.20	30.53	11.70	22.80	1.66	0.98	35.83	20.81	2.90
2000.0	20.22	30.55	11.84	22.87	1.66	0.98	35.73	20.85	2.72
2050.0	20.24	30.42	12.00	22.77	1.65	0.97	35.87	20.81	2.69
2100.0	20.25	30.45	12.25	22.66	1.65	0.97	35.59	20.81	2.65
2150.0	20.25	30.48	12.46	22.40	1.66	0.96	35.58	20.84	2.60
2200.0	20.25	30.53	12.75	22.04	1.68	0.96	35.60	20.86	2.64
2250.0	20.22	30.52	13.19	21.65	1.69	0.95	35.60	20.87	2.55
2300.0	20.16	30.71	13.61	21.40	1.74	0.95	35.49	20.90	2.57
2350.0	20.11	30.67	14.03	20.68	1.75	0.94	35.51	20.88	2.47
2400.0	20.05	30.66	14.46	20.01	1.77	0.94	35.49	20.90	2.47
2450.0	19.97	30.79	14.90	19.24	1.81	0.94	35.57	20.91	2.50
2500.0	19.88	30.82	15.40	18.50	1.83	0.93	35.58	20.91	2.49
2550.0	19.77	30.88	16.06	17.71	1.87	0.93	35.62	20.86	2.45
2600.0	19.63	30.87	16.85	16.96	1.90	0.92	35.92	20.88	2.43
2650.0	19.49	30.96	17.48	16.17	1.94	0.92	35.66	20.85	2.38
2700.0	19.34	30.95	18.20	15.53	1.97	0.91	36.03	20.79	2.44
2750.0	19.16	31.09	19.03	14.89	2.03	0.91	36.27	20.87	2.39
2800.0	19.00	31.06	19.66	14.41	2.05	0.90	36.14	20.82	2.30
2850.0	18.81	31.05	20.34	13.93	2.08	0.90	36.24	20.79	2.40
2900.0	18.62	31.08	20.93	13.41	2.13	0.90	36.27	20.79	2.38
2950.0	18.40	31.02	21.59	12.91	2.15	0.89	36.59	20.78	2.38
3000.0	18.20	31.04	21.46	12.48	2.19	0.89	36.53	20.80	2.32
3050.0	17.96	31.02	21.44	12.03	2.22	0.89	36.98	20.86	2.44
3100.0	17.77	31.06	21.45	11.75	2.27	0.88	36.93	20.78	2.40
3150.0	17.55	31.01	20.69	11.45	2.29	0.88	37.21	20.85	2.42
3200.0	17.32	30.87	20.01	11.10	2.30	0.88	37.00	20.85	2.42

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=121.67mA @ Temperature = +25degC

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)
900.0	20.69	32.53	11.17	15.31	1.87	0.98	37.23	20.59	3.37
950.0	20.73	32.34	11.84	16.03	1.85	0.98	37.16	20.61	3.37
1000.0	20.72	32.01	12.33	16.79	1.81	0.97	36.93	20.64	3.34
1050.0	20.69	31.90	12.65	17.52	1.81	0.97	36.73	20.62	3.38
1100.0	20.65	31.62	12.76	18.19	1.77	0.97	36.98	20.59	3.33
1150.0	20.58	31.54	12.75	18.72	1.77	0.97	36.74	20.62	3.34
1200.0	20.52	31.44	12.63	19.24	1.76	0.97	36.58	20.52	3.30
1250.0	20.45	31.21	12.47	19.70	1.73	0.97	36.60	20.48	3.24
1300.0	20.39	31.19	12.31	20.27	1.74	0.98	36.68	20.52	3.25
1350.0	20.33	31.05	12.15	20.78	1.72	0.98	36.33	20.49	3.20
1400.0	20.28	31.01	11.98	21.10	1.72	0.98	36.17	20.50	3.18
1450.0	20.24	30.85	11.85	21.38	1.70	0.98	36.07	20.44	3.16
1500.0	20.19	30.86	11.73	21.65	1.71	0.99	36.02	20.35	3.08
1550.0	20.17	30.75	11.65	21.82	1.69	0.99	35.81	20.43	3.04
1600.0	20.15	30.71	11.56	22.07	1.69	0.99	35.69	20.40	3.02
1650.0	20.14	30.66	11.51	22.45	1.68	0.99	35.94	20.42	2.95
1700.0	20.15	30.58	11.48	22.69	1.67	0.99	35.86	20.52	2.91
1750.0	20.15	30.47	11.46	22.81	1.65	0.98	35.82	20.48	2.90
1800.0	20.17	30.45	11.48	22.73	1.64	0.98	35.59	20.48	2.83
1850.0	20.18	30.50	11.60	22.63	1.65	0.98	35.50	20.53	2.82
1900.0	20.20	30.43	11.64	22.76	1.64	0.98	35.67	20.53	2.82
1950.0	20.23	30.36	11.75	22.77	1.63	0.97	35.49	20.53	2.83
2000.0	20.25	30.40	11.88	22.75	1.64	0.97	35.49	20.58	2.74
2050.0	20.28	30.38	12.03	22.53	1.63	0.97	35.58	20.54	2.68
2100.0	20.29	30.50	12.27	22.23	1.66	0.97	35.12	20.53	2.68
2150.0	20.30	30.33	12.49	21.96	1.64	0.96	35.14	20.57	2.61
2200.0	20.30	30.37	12.77	21.52	1.65	0.95	35.46	20.58	2.61
2250.0	20.27	30.53	13.22	20.97	1.69	0.95	35.30	20.60	2.55
2300.0	20.21	30.49	13.62	20.62	1.70	0.94	35.43	20.62	2.56
2350.0	20.16	30.54	14.05	19.90	1.72	0.94	35.31	20.61	2.47
2400.0	20.10	30.63	14.45	19.28	1.75	0.93	35.38	20.63	2.47
2450.0	20.02	30.72	14.88	18.53	1.78	0.93	35.47	20.64	2.47
2500.0	19.94	30.64	15.38	17.81	1.79	0.92	35.45	20.63	2.45
2550.0	19.82	30.69	16.04	17.08	1.82	0.92	35.60	20.58	2.43
2600.0	19.69	30.81	16.77	16.40	1.87	0.91	35.63	20.59	2.41
2650.0	19.55	30.73	17.44	15.61	1.88	0.91	35.82	20.55	2.37
2700.0	19.40	30.87	18.12	15.02	1.93	0.90	35.94	20.49	2.42
2750.0	19.22	30.77	18.99	14.42	1.95	0.90	36.01	20.57	2.40
2800.0	19.05	30.91	19.67	13.95	2.00	0.90	36.12	20.51	2.32
2850.0	18.87	30.84	20.43	13.48	2.02	0.89	35.83	20.47	2.36
2900.0	18.67	30.93	21.05	13.00	2.07	0.89	35.96	20.45	2.38
2950.0	18.46	30.94	21.73	12.53	2.11	0.89	36.46	20.42	2.37
3000.0	18.26	30.83	21.69	12.12	2.12	0.88	36.62	20.44	2.34
3050.0	18.02	30.81	21.73	11.71	2.15	0.88	36.56	20.50	2.40
3100.0	17.83	30.86	21.81	11.43	2.20	0.88	36.66	20.41	2.38
3150.0	17.60	30.86	21.11	11.13	2.24	0.87	36.92	20.49	2.40
3200.0	17.37	30.86	20.43	10.80	2.27	0.87	36.55	20.49	2.41

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=122.70mA @ Temperature = +25degC

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)
900.0	20.63	32.63	11.09	15.19	1.89	0.99	37.61	21.13	3.43
950.0	20.67	32.28	11.74	15.89	1.85	0.98	37.55	21.16	3.34
1000.0	20.67	32.21	12.20	16.58	1.85	0.98	37.51	21.19	3.40
1050.0	20.64	31.95	12.54	17.24	1.82	0.97	36.93	21.16	3.36
1100.0	20.59	31.82	12.66	17.87	1.81	0.97	36.97	21.14	3.33
1150.0	20.54	31.53	12.64	18.37	1.77	0.97	37.16	21.16	3.31
1200.0	20.47	31.53	12.54	18.83	1.78	0.98	37.25	21.08	3.33
1250.0	20.41	31.36	12.37	19.23	1.76	0.98	36.86	21.05	3.28
1300.0	20.34	31.25	12.22	19.70	1.75	0.98	37.08	21.09	3.28
1350.0	20.28	31.23	12.06	20.13	1.76	0.98	36.76	21.06	3.22
1400.0	20.24	31.09	11.90	20.48	1.74	0.99	36.89	21.08	3.19
1450.0	20.19	31.05	11.77	20.67	1.73	0.99	36.77	21.01	3.14
1500.0	20.15	30.93	11.64	20.95	1.72	0.99	36.62	20.92	3.13
1550.0	20.12	30.84	11.54	21.15	1.71	0.99	36.34	20.97	3.05
1600.0	20.10	30.82	11.47	21.38	1.70	0.99	36.46	20.96	3.04
1650.0	20.10	30.74	11.41	21.74	1.69	0.99	36.53	20.99	2.97
1700.0	20.10	30.73	11.41	22.00	1.69	0.99	36.16	21.05	2.94
1750.0	20.10	30.61	11.40	22.21	1.67	0.99	36.22	21.03	2.93
1800.0	20.12	30.61	11.41	22.29	1.67	0.99	36.06	21.03	2.82
1850.0	20.13	30.67	11.52	22.32	1.68	0.99	36.16	21.07	2.82
1900.0	20.15	30.57	11.54	22.57	1.67	0.98	36.05	21.07	2.78
1950.0	20.17	30.70	11.67	22.75	1.69	0.98	35.92	21.08	2.90
2000.0	20.20	30.48	11.80	22.86	1.65	0.98	35.98	21.12	2.74
2050.0	20.21	30.48	11.99	22.87	1.66	0.97	35.74	21.08	2.67
2100.0	20.22	30.56	12.21	22.87	1.67	0.97	35.74	21.07	2.68
2150.0	20.22	30.59	12.44	22.82	1.69	0.97	35.49	21.10	2.58
2200.0	20.22	30.56	12.74	22.53	1.69	0.96	35.56	21.12	2.60
2250.0	20.19	30.70	13.15	22.25	1.73	0.96	35.66	21.13	2.55
2300.0	20.12	30.74	13.62	22.01	1.76	0.95	35.64	21.16	2.58
2350.0	20.07	30.77	14.02	21.37	1.78	0.95	35.57	21.15	2.51
2400.0	20.02	30.78	14.38	20.72	1.79	0.94	35.72	21.17	2.46
2450.0	19.93	30.75	14.86	19.86	1.81	0.94	35.68	21.16	2.49
2500.0	19.84	30.83	15.39	19.06	1.85	0.93	35.61	21.18	2.50
2550.0	19.72	31.02	16.12	18.25	1.91	0.93	35.67	21.13	2.45
2600.0	19.59	30.98	16.83	17.43	1.93	0.92	35.95	21.16	2.42
2650.0	19.45	31.10	17.49	16.62	1.98	0.92	35.67	21.13	2.38
2700.0	19.30	31.03	18.21	15.95	2.00	0.92	36.20	21.09	2.43
2750.0	19.13	30.99	18.93	15.29	2.02	0.91	36.22	21.15	2.41
2800.0	18.96	31.11	19.56	14.75	2.08	0.91	36.39	21.11	2.35
2850.0	18.76	31.03	20.22	14.24	2.10	0.90	36.38	21.10	2.37
2900.0	18.58	31.14	20.82	13.73	2.15	0.90	36.16	21.11	2.42
2950.0	18.36	31.16	21.32	13.22	2.20	0.90	36.64	21.11	2.40
3000.0	18.16	31.03	21.25	12.75	2.20	0.89	36.93	21.13	2.33
3050.0	17.92	31.06	21.32	12.30	2.25	0.89	37.05	21.19	2.42
3100.0	17.73	31.10	21.00	12.01	2.29	0.89	37.03	21.13	2.38
3150.0	17.51	31.02	20.23	11.72	2.31	0.89	37.32	21.18	2.40
3200.0	17.27	30.97	19.70	11.35	2.34	0.89	36.84	21.17	2.45

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=120.34mA @ Temperature = -45degC

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)
900.0	21.11	32.74	11.16	14.97	1.82	0.98	37.97	20.96	2.84
950.0	21.16	32.42	11.91	15.69	1.79	0.97	38.15	21.00	2.75
1000.0	21.17	32.31	12.44	16.37	1.78	0.97	38.35	21.03	2.80
1050.0	21.15	32.14	12.86	16.97	1.77	0.96	38.24	21.01	2.77
1100.0	21.11	31.82	13.06	17.57	1.73	0.96	38.34	20.98	2.78
1150.0	21.06	31.68	13.11	18.07	1.72	0.96	38.23	21.00	2.79
1200.0	21.01	31.55	13.05	18.65	1.70	0.96	38.44	20.91	2.74
1250.0	20.95	31.47	12.88	19.08	1.70	0.96	38.68	20.87	2.72
1300.0	20.90	31.41	12.77	19.53	1.70	0.97	38.57	20.90	2.71
1350.0	20.84	31.15	12.59	19.83	1.66	0.97	38.50	20.88	2.64
1400.0	20.79	31.08	12.41	20.09	1.65	0.97	38.29	20.90	2.63
1450.0	20.77	31.11	12.34	20.40	1.66	0.97	38.12	20.85	2.61
1500.0	20.73	30.96	12.19	20.63	1.64	0.97	38.20	20.73	2.57
1550.0	20.71	30.94	12.10	20.86	1.64	0.97	38.08	20.79	2.49
1600.0	20.70	30.80	11.99	21.12	1.62	0.97	37.78	20.77	2.47
1650.0	20.69	30.76	11.91	21.44	1.62	0.97	38.04	20.80	2.41
1700.0	20.70	30.73	11.88	21.60	1.61	0.97	37.79	20.88	2.36
1750.0	20.72	30.64	11.84	21.81	1.59	0.97	37.72	20.87	2.41
1800.0	20.73	30.69	11.91	21.88	1.60	0.97	37.75	20.87	2.27
1850.0	20.76	30.56	12.01	21.91	1.58	0.96	37.78	20.93	2.28
1900.0	20.79	30.50	12.05	22.08	1.57	0.96	37.26	20.91	2.26
1950.0	20.83	30.52	12.12	22.19	1.57	0.96	37.47	20.92	2.27
2000.0	20.86	30.46	12.20	22.25	1.56	0.96	37.17	20.98	2.22
2050.0	20.89	30.50	12.42	22.35	1.57	0.95	36.99	20.95	2.13
2100.0	20.91	30.56	12.58	22.26	1.58	0.95	36.56	20.95	2.15
2150.0	20.95	30.52	12.80	21.90	1.57	0.94	36.99	20.98	2.08
2200.0	20.95	30.56	13.14	22.00	1.58	0.94	36.66	20.99	2.06
2250.0	20.98	30.42	13.39	21.42	1.56	0.93	36.71	21.00	2.04
2300.0	20.87	30.63	14.01	21.45	1.62	0.93	36.75	21.02	2.00
2350.0	20.84	30.62	14.33	21.05	1.63	0.93	36.70	21.03	1.95
2400.0	20.81	30.64	14.55	20.30	1.64	0.92	36.47	21.04	1.97
2450.0	20.76	30.46	14.90	19.57	1.62	0.91	36.66	21.03	1.99
2500.0	20.65	30.68	15.62	18.65	1.68	0.91	36.54	21.03	1.95
2550.0	20.52	30.90	16.54	17.97	1.74	0.91	36.43	20.98	1.91
2600.0	20.43	30.82	17.03	17.36	1.75	0.91	36.34	21.00	1.86
2650.0	20.28	30.90	18.00	16.41	1.79	0.90	36.30	20.98	1.87
2700.0	20.14	30.84	18.68	16.03	1.80	0.90	36.54	20.95	1.89
2750.0	19.99	30.88	19.33	15.35	1.83	0.89	36.50	20.98	1.89
2800.0	19.82	30.83	20.09	14.68	1.85	0.89	36.44	20.92	1.82
2850.0	19.67	30.88	20.92	14.32	1.89	0.89	36.39	20.92	1.88
2900.0	19.48	30.80	21.93	13.67	1.90	0.88	36.47	20.92	1.87
2950.0	19.30	30.79	22.34	13.22	1.92	0.88	36.46	20.92	1.87
3000.0	19.03	30.84	23.55	12.53	1.97	0.87	36.54	20.91	1.83
3050.0	18.85	30.76	23.68	12.27	1.99	0.87	36.69	20.97	1.85
3100.0	18.54	30.86	24.88	11.56	2.05	0.87	37.01	20.91	1.80
3150.0	18.41	30.76	23.65	11.44	2.05	0.87	37.11	20.96	1.86
3200.0	18.21	30.59	22.86	11.18	2.05	0.86	36.56	20.95	1.86

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=120.40mA @ Temperature = -45degC

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
900.0	21.09	32.84	11.16	15.01	1.85	0.98	38.52	20.68	2.84
950.0	21.14	32.53	11.90	15.77	1.81	0.97	38.47	20.72	2.80
1000.0	21.15	32.28	12.44	16.42	1.78	0.97	38.46	20.74	2.81
1050.0	21.13	32.08	12.83	17.04	1.76	0.96	38.32	20.73	2.78
1100.0	21.09	31.83	13.04	17.65	1.73	0.96	38.34	20.70	2.79
1150.0	21.03	31.68	13.10	18.20	1.72	0.96	38.17	20.72	2.77
1200.0	20.99	31.49	13.04	18.76	1.70	0.96	38.56	20.62	2.77
1250.0	20.92	31.42	12.86	19.22	1.69	0.96	38.77	20.58	2.70
1300.0	20.87	31.35	12.74	19.65	1.69	0.97	39.30	20.61	2.69
1350.0	20.81	31.17	12.56	19.97	1.67	0.97	38.57	20.59	2.64
1400.0	20.77	31.04	12.38	20.27	1.65	0.97	38.09	20.61	2.61
1450.0	20.74	31.16	12.31	20.57	1.68	0.97	38.38	20.56	2.63
1500.0	20.70	30.98	12.17	20.77	1.65	0.97	38.53	20.45	2.57
1550.0	20.68	30.89	12.09	21.07	1.64	0.97	38.51	20.52	2.51
1600.0	20.67	30.85	11.98	21.31	1.63	0.97	38.03	20.49	2.48
1650.0	20.66	30.77	11.87	21.61	1.62	0.97	38.24	20.52	2.43
1700.0	20.67	30.75	11.84	21.77	1.62	0.97	37.91	20.62	2.38
1750.0	20.69	30.57	11.82	22.01	1.59	0.97	37.76	20.59	2.38
1800.0	20.71	30.57	11.88	22.06	1.59	0.97	37.45	20.59	2.28
1850.0	20.73	30.49	11.97	22.04	1.57	0.96	37.51	20.65	2.27
1900.0	20.76	30.48	12.02	22.20	1.57	0.96	37.76	20.64	2.26
1950.0	20.80	30.47	12.08	22.30	1.57	0.96	37.36	20.65	2.26
2000.0	20.84	30.46	12.16	22.39	1.56	0.96	37.11	20.72	2.18
2050.0	20.86	30.62	12.39	22.40	1.59	0.96	37.07	20.68	2.13
2100.0	20.89	30.37	12.51	22.32	1.55	0.95	36.78	20.67	2.14
2150.0	20.93	30.29	12.74	21.87	1.54	0.94	36.58	20.71	2.08
2200.0	20.92	30.53	13.08	21.87	1.58	0.94	36.73	20.71	2.09
2250.0	20.96	30.27	13.30	21.29	1.54	0.93	36.80	20.73	2.04
2300.0	20.86	30.60	13.91	21.35	1.62	0.93	36.71	20.75	2.01
2350.0	20.83	30.63	14.24	20.86	1.63	0.93	36.15	20.76	1.98
2400.0	20.80	30.48	14.46	20.06	1.62	0.92	36.19	20.77	1.95
2450.0	20.75	30.51	14.74	19.37	1.63	0.92	36.50	20.76	1.97
2500.0	20.65	30.61	15.50	18.47	1.67	0.91	36.07	20.76	1.95
2550.0	20.51	30.80	16.35	17.79	1.73	0.91	36.29	20.71	1.92
2600.0	20.42	30.60	16.85	17.19	1.71	0.90	36.01	20.72	1.88
2650.0	20.28	30.82	17.81	16.23	1.77	0.90	36.13	20.70	1.86
2700.0	20.14	30.88	18.43	15.85	1.81	0.90	36.21	20.65	1.92
2750.0	19.99	30.80	19.06	15.21	1.82	0.89	36.19	20.69	1.88
2800.0	19.82	30.77	19.86	14.56	1.84	0.89	36.11	20.62	1.82
2850.0	19.67	30.78	20.70	14.19	1.86	0.89	36.15	20.61	1.88
2900.0	19.48	30.87	21.62	13.56	1.91	0.88	36.12	20.59	1.88
2950.0	19.31	30.75	22.11	13.10	1.91	0.88	36.02	20.58	1.86
3000.0	19.03	30.81	23.44	12.41	1.96	0.87	36.00	20.56	1.83
3050.0	18.87	30.69	23.64	12.16	1.97	0.87	36.18	20.60	1.86
3100.0	18.54	30.93	25.13	11.48	2.06	0.87	36.46	20.52	1.83
3150.0	18.43	30.68	23.89	11.35	2.03	0.86	36.47	20.60	1.85
3200.0	18.22	30.60	23.19	11.10	2.04	0.86	35.98	20.59	1.85

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 = 5.25V, Id=120.94mA @ Temperature = -45degC

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)
900.0	21.13	32.77	11.17	14.93	1.83	0.98	38.19	21.22	2.85
950.0	21.17	32.44	11.91	15.66	1.79	0.97	37.98	21.26	2.74
1000.0	21.19	32.33	12.46	16.31	1.78	0.97	38.60	21.29	2.82
1050.0	21.16	32.12	12.86	16.94	1.76	0.96	38.14	21.27	2.79
1100.0	21.13	31.98	13.06	17.50	1.75	0.96	38.24	21.24	2.77
1150.0	21.07	31.68	13.13	18.00	1.71	0.96	38.36	21.26	2.76
1200.0	21.03	31.55	13.05	18.55	1.70	0.96	38.51	21.17	2.77
1250.0	20.97	31.53	12.88	18.98	1.70	0.96	38.23	21.14	2.73
1300.0	20.91	31.32	12.76	19.40	1.68	0.96	38.40	21.17	2.70
1350.0	20.86	31.28	12.58	19.70	1.68	0.97	38.37	21.15	2.64
1400.0	20.81	31.05	12.43	19.93	1.65	0.97	38.16	21.17	2.62
1450.0	20.79	31.16	12.35	20.27	1.67	0.97	37.96	21.12	2.60
1500.0	20.75	30.99	12.20	20.45	1.64	0.97	38.18	21.00	2.56
1550.0	20.73	30.91	12.11	20.72	1.64	0.97	37.80	21.05	2.49
1600.0	20.71	30.80	12.01	20.95	1.62	0.97	37.67	21.04	2.49
1650.0	20.71	30.85	11.91	21.28	1.63	0.97	37.77	21.07	2.40
1700.0	20.72	30.78	11.87	21.47	1.61	0.97	37.88	21.13	2.37
1750.0	20.74	30.73	11.86	21.61	1.60	0.97	37.47	21.12	2.40
1800.0	20.75	30.71	11.93	21.75	1.60	0.97	37.41	21.13	2.26
1850.0	20.78	30.63	12.01	21.74	1.59	0.97	37.44	21.18	2.27
1900.0	20.81	30.54	12.06	21.95	1.57	0.96	37.44	21.17	2.27
1950.0	20.85	30.53	12.14	22.13	1.57	0.96	37.47	21.18	2.25
2000.0	20.88	30.48	12.22	22.18	1.56	0.96	37.09	21.24	2.19
2050.0	20.90	30.57	12.47	22.30	1.58	0.95	37.05	21.20	2.15
2100.0	20.93	30.57	12.58	22.24	1.57	0.95	36.97	21.20	2.13
2150.0	20.96	30.55	12.81	21.96	1.57	0.95	36.62	21.23	2.08
2200.0	20.96	30.55	13.18	22.06	1.58	0.94	36.63	21.24	2.10
2250.0	20.99	30.40	13.44	21.45	1.56	0.93	36.69	21.25	2.01
2300.0	20.88	30.70	14.08	21.65	1.63	0.93	36.74	21.27	2.03
2350.0	20.85	30.70	14.38	21.16	1.64	0.93	36.35	21.29	1.98
2400.0	20.82	30.66	14.63	20.41	1.64	0.92	36.51	21.29	1.93
2450.0	20.77	30.63	14.93	19.78	1.65	0.92	36.64	21.28	1.97
2500.0	20.66	30.72	15.72	18.83	1.69	0.91	36.35	21.29	1.95
2550.0	20.52	30.79	16.67	18.12	1.73	0.91	36.52	21.25	1.90
2600.0	20.43	30.77	17.18	17.52	1.74	0.91	36.60	21.26	1.87
2650.0	20.28	30.90	18.11	16.53	1.79	0.90	36.73	21.25	1.85
2700.0	20.14	31.02	18.78	16.16	1.84	0.90	36.88	21.23	1.91
2750.0	19.99	30.88	19.45	15.52	1.84	0.90	36.80	21.26	1.89
2800.0	19.82	30.90	20.22	14.83	1.87	0.89	37.00	21.21	1.83
2850.0	19.66	30.89	21.15	14.42	1.89	0.89	36.71	21.22	1.87
2900.0	19.47	31.00	22.07	13.78	1.94	0.89	36.78	21.23	1.83
2950.0	19.29	30.82	22.44	13.33	1.93	0.88	36.62	21.25	1.88
3000.0	19.02	30.91	23.40	12.64	1.99	0.88	36.94	21.25	1.82
3050.0	18.84	30.77	23.58	12.36	1.99	0.87	37.12	21.31	1.81
3100.0	18.52	31.04	24.44	11.65	2.09	0.87	37.25	21.26	1.81
3150.0	18.40	30.81	23.44	11.52	2.06	0.87	37.31	21.30	1.87
3200.0	18.20	30.65	22.56	11.29	2.06	0.87	36.94	21.29	1.83

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=121.83mA @ Temperature = +85degC

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)
900.0	20.18	32.41	10.83	15.30	1.93	1.00	37.10	20.70	3.96
950.0	20.21	32.26	11.40	15.97	1.92	0.99	37.02	20.73	3.92
1000.0	20.20	31.98	11.82	16.68	1.88	0.99	36.85	20.75	3.96
1050.0	20.16	31.70	12.10	17.45	1.85	0.98	36.81	20.73	3.94
1100.0	20.11	31.65	12.18	18.15	1.86	0.99	36.56	20.71	3.91
1150.0	20.04	31.48	12.11	18.76	1.84	0.99	36.71	20.73	3.88
1200.0	19.97	31.32	11.97	19.21	1.82	0.99	36.51	20.65	3.89
1250.0	19.89	31.15	11.75	19.61	1.80	0.99	36.41	20.61	3.85
1300.0	19.82	31.19	11.59	20.01	1.82	1.00	36.42	20.65	3.83
1350.0	19.75	31.02	11.44	20.45	1.80	1.00	36.34	20.62	3.75
1400.0	19.69	30.92	11.29	20.80	1.78	1.00	36.10	20.63	3.73
1450.0	19.65	30.92	11.19	21.07	1.79	1.01	35.89	20.56	3.74
1500.0	19.60	30.81	11.08	21.32	1.78	1.01	35.86	20.49	3.67
1550.0	19.56	30.74	10.97	21.47	1.77	1.01	35.82	20.56	3.63
1600.0	19.54	30.68	10.89	21.73	1.76	1.01	35.55	20.53	3.58
1650.0	19.52	30.63	10.85	22.16	1.75	1.01	35.78	20.56	3.53
1700.0	19.52	30.53	10.85	22.50	1.74	1.01	35.64	20.63	3.49
1750.0	19.52	30.55	10.87	22.83	1.75	1.01	35.34	20.60	3.46
1800.0	19.52	30.54	10.93	23.11	1.75	1.01	35.43	20.59	3.36
1850.0	19.53	30.47	11.00	23.10	1.74	1.00	35.37	20.63	3.38
1900.0	19.54	30.51	11.06	23.38	1.75	1.00	35.45	20.64	3.35
1950.0	19.56	30.39	11.18	23.50	1.73	1.00	35.29	20.64	3.37
2000.0	19.57	30.36	11.33	23.71	1.72	0.99	35.03	20.68	3.31
2050.0	19.59	30.51	11.57	23.52	1.75	0.99	35.08	20.63	3.22
2100.0	19.59	30.48	11.78	23.81	1.76	0.99	34.99	20.62	3.23
2150.0	19.59	30.56	12.04	23.34	1.78	0.98	35.11	20.65	3.16
2200.0	19.56	30.51	12.29	23.40	1.79	0.98	34.97	20.66	3.18
2250.0	19.54	30.70	12.70	22.51	1.83	0.97	35.18	20.67	3.12
2300.0	19.44	30.74	13.35	22.09	1.88	0.97	35.14	20.70	3.12
2350.0	19.38	31.01	13.72	21.27	1.94	0.97	35.04	20.66	3.04
2400.0	19.32	30.75	14.10	20.45	1.91	0.96	35.07	20.69	3.05
2450.0	19.24	30.59	14.49	19.73	1.90	0.95	35.29	20.71	3.09
2500.0	19.13	30.98	15.12	18.74	2.01	0.95	35.30	20.71	3.04
2550.0	18.99	31.03	15.83	17.82	2.05	0.94	35.18	20.66	2.98
2600.0	18.86	31.13	16.47	17.03	2.10	0.94	35.29	20.69	2.98
2650.0	18.72	31.29	17.16	16.20	2.17	0.93	35.41	20.64	2.97
2700.0	18.56	31.14	17.85	15.56	2.17	0.93	35.62	20.59	3.01
2750.0	18.39	31.15	18.40	14.98	2.21	0.92	35.78	20.68	3.02
2800.0	18.22	31.09	18.67	14.36	2.23	0.92	35.81	20.64	2.96
2850.0	18.05	31.27	19.47	14.09	2.31	0.92	35.82	20.61	2.98
2900.0	17.85	31.32	19.67	13.55	2.36	0.91	35.89	20.62	2.99
2950.0	17.66	31.20	19.82	13.13	2.36	0.91	35.92	20.60	2.98
3000.0	17.45	31.23	19.46	12.70	2.41	0.91	36.52	20.65	2.97
3050.0	17.23	31.09	19.24	12.42	2.42	0.90	36.43	20.70	2.95
3100.0	16.92	31.40	18.65	11.84	2.56	0.90	36.69	20.62	2.98
3150.0	16.81	31.33	18.50	11.80	2.56	0.90	36.72	20.70	3.02
3200.0	16.62	31.24	17.82	11.57	2.58	0.90	36.30	20.71	3.02

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 = 4.75V, Id=120.86mA @ Temperature = +85degC

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)
900.0	20.21	32.42	10.91	15.38	1.94	0.99	36.71	20.41	3.94
950.0	20.23	32.11	11.47	16.07	1.89	0.99	36.69	20.44	3.91
1000.0	20.22	31.87	11.89	16.82	1.87	0.98	36.42	20.46	3.93
1050.0	20.18	31.70	12.16	17.62	1.85	0.98	36.16	20.44	3.87
1100.0	20.13	31.55	12.23	18.37	1.84	0.98	36.14	20.42	3.86
1150.0	20.05	31.38	12.17	19.01	1.82	0.98	36.01	20.44	3.88
1200.0	19.98	31.15	12.02	19.50	1.79	0.99	35.95	20.35	3.85
1250.0	19.90	31.18	11.78	19.91	1.81	0.99	35.86	20.31	3.79
1300.0	19.83	31.05	11.63	20.39	1.80	1.00	36.01	20.35	3.81
1350.0	19.75	30.95	11.46	20.88	1.79	1.00	35.60	20.32	3.70
1400.0	19.70	30.89	11.32	21.25	1.78	1.00	35.45	20.32	3.71
1450.0	19.66	30.79	11.22	21.59	1.77	1.00	35.29	20.25	3.67
1500.0	19.60	30.70	11.11	21.81	1.76	1.00	35.34	20.18	3.65
1550.0	19.57	30.66	11.01	22.02	1.76	1.01	35.28	20.27	3.57
1600.0	19.54	30.65	10.93	22.27	1.76	1.01	35.13	20.23	3.55
1650.0	19.53	30.51	10.87	22.66	1.74	1.01	35.17	20.26	3.48
1700.0	19.53	30.46	10.87	22.99	1.73	1.01	35.14	20.34	3.44
1750.0	19.53	30.46	10.88	23.23	1.73	1.01	34.88	20.30	3.42
1800.0	19.53	30.40	10.95	23.45	1.72	1.00	34.82	20.29	3.31
1850.0	19.53	30.26	11.03	23.38	1.70	1.00	34.83	20.33	3.36
1900.0	19.55	30.35	11.09	23.48	1.72	1.00	34.83	20.34	3.31
1950.0	19.57	30.31	11.20	23.51	1.71	1.00	34.89	20.34	3.31
2000.0	19.59	30.29	11.35	23.54	1.71	0.99	34.61	20.38	3.24
2050.0	19.61	30.36	11.58	23.11	1.73	0.99	34.55	20.33	3.21
2100.0	19.60	30.26	11.80	23.19	1.72	0.98	34.68	20.32	3.15
2150.0	19.60	30.40	12.05	22.57	1.75	0.98	34.60	20.36	3.13
2200.0	19.58	30.25	12.29	22.43	1.74	0.97	34.68	20.36	3.13
2250.0	19.56	30.59	12.70	21.42	1.81	0.97	34.72	20.38	3.07
2300.0	19.46	30.65	13.32	20.89	1.85	0.96	34.75	20.39	3.09
2350.0	19.41	30.72	13.72	20.12	1.88	0.96	34.63	20.35	3.02
2400.0	19.35	30.64	14.08	19.41	1.88	0.95	34.70	20.39	2.99
2450.0	19.27	30.68	14.46	18.66	1.91	0.95	34.88	20.42	3.07
2500.0	19.16	30.75	15.07	17.80	1.95	0.94	34.89	20.40	2.98
2550.0	19.02	30.94	15.81	16.96	2.02	0.94	34.82	20.35	2.97
2600.0	18.89	30.96	16.47	16.23	2.05	0.93	35.04	20.37	2.95
2650.0	18.75	30.99	17.12	15.46	2.09	0.92	35.07	20.31	2.90
2700.0	18.60	30.86	17.81	14.91	2.09	0.92	35.48	20.24	2.99
2750.0	18.43	31.04	18.43	14.34	2.16	0.91	35.53	20.36	2.97
2800.0	18.26	31.03	18.75	13.77	2.19	0.91	35.66	20.30	2.90
2850.0	18.08	30.95	19.56	13.51	2.21	0.90	35.53	20.26	2.92
2900.0	17.89	31.15	19.81	12.99	2.30	0.90	35.45	20.25	2.96
2950.0	17.69	31.08	20.01	12.61	2.32	0.90	35.77	20.21	2.98
3000.0	17.49	31.02	19.66	12.21	2.34	0.90	35.99	20.27	2.92
3050.0	17.27	31.00	19.52	11.93	2.38	0.89	36.33	20.32	2.94
3100.0	16.95	31.19	18.89	11.40	2.48	0.89	36.32	20.22	2.96
3150.0	16.84	31.14	18.80	11.35	2.49	0.89	36.54	20.33	2.93
3200.0	16.65	30.88	18.12	11.15	2.46	0.89	36.01	20.33	2.94

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=122.63mA @ Temperature = +85degC

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)
900.0	20.17	32.37	10.79	15.25	1.92	1.00	37.40	20.98	4.03
950.0	20.20	32.16	11.36	15.91	1.90	0.99	36.96	21.02	3.95
1000.0	20.19	32.03	11.77	16.59	1.89	0.99	37.37	21.04	3.96
1050.0	20.16	31.77	12.08	17.32	1.86	0.99	37.02	21.02	3.94
1100.0	20.11	31.61	12.15	18.01	1.85	0.99	36.74	20.99	3.95
1150.0	20.03	31.43	12.08	18.60	1.83	0.99	36.86	21.02	3.90
1200.0	19.97	31.32	11.94	19.01	1.82	0.99	36.88	20.94	3.94
1250.0	19.89	31.29	11.72	19.35	1.82	1.00	36.65	20.91	3.87
1300.0	19.81	31.29	11.56	19.74	1.83	1.00	36.67	20.95	3.88
1350.0	19.75	31.07	11.41	20.14	1.80	1.00	36.58	20.92	3.77
1400.0	19.69	30.98	11.27	20.49	1.79	1.00	36.42	20.93	3.78
1450.0	19.65	30.92	11.18	20.76	1.79	1.01	36.28	20.85	3.77
1500.0	19.60	30.89	11.06	20.96	1.79	1.01	35.94	20.78	3.72
1550.0	19.56	30.75	10.96	21.14	1.77	1.01	35.98	20.85	3.64
1600.0	19.54	30.73	10.87	21.37	1.77	1.01	36.19	20.82	3.64
1650.0	19.52	30.64	10.82	21.75	1.75	1.01	35.92	20.86	3.53
1700.0	19.52	30.68	10.84	22.09	1.76	1.01	35.86	20.92	3.51
1750.0	19.52	30.52	10.86	22.48	1.74	1.01	35.62	20.89	3.51
1800.0	19.52	30.62	10.92	22.75	1.76	1.01	35.58	20.89	3.41
1850.0	19.52	30.58	11.00	22.83	1.76	1.01	35.47	20.92	3.42
1900.0	19.53	30.52	11.05	23.13	1.75	1.00	35.42	20.93	3.40
1950.0	19.55	30.53	11.18	23.41	1.75	1.00	35.55	20.93	3.40
2000.0	19.57	30.49	11.32	23.68	1.75	1.00	35.29	20.96	3.32
2050.0	19.58	30.63	11.60	23.68	1.78	0.99	35.41	20.91	3.24
2100.0	19.58	30.57	11.79	24.02	1.78	0.99	35.14	20.90	3.25
2150.0	19.57	30.74	12.02	23.81	1.81	0.99	35.57	20.94	3.20
2200.0	19.55	30.57	12.26	23.89	1.80	0.98	35.43	20.95	3.21
2250.0	19.52	30.76	12.69	23.29	1.85	0.98	35.16	20.96	3.15
2300.0	19.42	30.96	13.37	22.85	1.92	0.97	35.22	20.99	3.11
2350.0	19.37	30.92	13.72	22.13	1.93	0.97	35.35	20.97	3.06
2400.0	19.31	30.95	14.11	21.26	1.96	0.96	35.32	20.99	3.06
2450.0	19.22	30.96	14.52	20.39	1.98	0.96	35.31	21.00	3.16
2500.0	19.11	30.92	15.10	19.46	2.00	0.95	35.17	21.01	3.05
2550.0	18.97	31.12	15.84	18.43	2.08	0.95	35.37	20.96	3.03
2600.0	18.84	31.21	16.49	17.58	2.13	0.94	35.55	20.99	3.00
2650.0	18.70	31.28	17.09	16.70	2.18	0.94	35.50	20.96	3.00
2700.0	18.54	31.32	17.77	16.04	2.22	0.93	35.75	20.91	3.05
2750.0	18.37	31.38	18.38	15.43	2.27	0.93	36.03	20.99	3.02
2800.0	18.20	31.37	18.61	14.78	2.30	0.92	35.88	20.96	2.97
2850.0	18.03	31.45	19.35	14.50	2.36	0.92	35.79	20.94	3.02
2900.0	17.83	31.40	19.53	13.92	2.39	0.92	35.98	20.97	3.02
2950.0	17.64	31.50	19.60	13.50	2.45	0.92	36.41	20.96	3.04
3000.0	17.43	31.42	19.24	13.02	2.47	0.91	36.35	21.00	3.03
3050.0	17.21	31.35	19.04	12.73	2.50	0.91	36.52	21.04	3.01
3100.0	16.91	31.51	18.47	12.15	2.60	0.91	36.72	20.99	2.99
3150.0	16.80	31.37	18.24	12.11	2.59	0.91	37.10	21.05	3.03
3200.0	16.59	31.33	17.60	11.85	2.62	0.91	36.37	21.05	3.05