

## 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)

900 MHz Match										
TEST CONDITIONS: Vd = 5V, Id = 108.61 mA @ Temperature = +25degC										
FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	3dB Comp. Output	Noise Figure
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dBm)	(dB)
800	22.05	34.30	9.81	13.15	1.82	1.01	38.86	23.20	23.81	6.45
820	21.94	34.11	10.52	12.43	1.83	0.98	39.40	23.30	23.87	6.45
840	21.82	34.08	11.01	11.81	1.86	0.96	39.64	23.33	23.88	6.37
860	21.67	33.85	11.32	11.26	1.84	0.95	40.30	23.38	23.93	6.36
869	21.59	33.83	11.36	11.04	1.85	0.94	40.24	23.44	24.13	6.35
880	21.50	33.80	11.39	10.78	1.85	0.93	40.44	23.53	24.29	6.33
900	21.31	33.73	11.30	10.39	1.86	0.92	40.69	23.54	24.13	6.30
910	21.22	33.72	11.17	10.21	1.87	0.92	41.00	23.43	24.30	6.30
920	21.13	33.57	11.04	10.03	1.85	0.92	40.97	23.38	24.24	6.27
930	21.03	33.72	10.87	9.89	1.89	0.92	41.14	23.57	24.36	6.27
950	20.83	33.67	10.50	9.60	1.90	0.91	41.27	23.69	24.44	6.33
960	20.72	33.65	10.30	9.47	1.90	0.91	42.08	23.59	24.29	6.30
970	20.62	33.66	10.10	9.35	1.91	0.91	41.30	23.69	24.23	6.30
980	20.52	33.69	9.89	9.23	1.93	0.92	41.15	23.59	24.40	6.29
990	20.41	33.64	9.68	9.13	1.92	0.92	41.24	23.71	24.44	6.26
1000	20.31	33.75	9.47	9.04	1.95	0.92	40.74	23.76	24.19	6.28

2100 MHz Match										
TEST CONDITIONS: Vd = 5V, Id = 106.16 mA @ Temperature = +25degC										
2000	15.16	31.22	8.28	11.79	2.51	1.08	41.60	23.86	24.85	6.11
2020	15.28	30.88	9.06	11.75	2.45	1.05	39.17	23.97	25.23	5.97
2040	15.36	30.53	9.94	11.63	2.40	1.02	41.26	24.02	24.99	5.87
2060	15.46	30.39	10.82	11.63	2.39	1.00	41.11	23.72	25.03	5.78
2080	15.52	30.26	11.71	11.52	2.39	0.98	41.73	23.87	25.07	5.72
2100	15.57	30.04	12.76	11.45	2.36	0.97	42.19	23.86	25.07	5.67
2110	15.58	29.99	13.25	11.37	2.36	0.96	43.21	24.20	25.09	5.57
2140	15.58	29.79	14.82	11.17	2.34	0.94	40.81	24.08	25.21	5.55
2170	15.58	29.77	16.21	11.11	2.36	0.92	40.18	24.15	25.26	5.55
2180	15.57	29.60	16.60	11.08	2.33	0.92	40.40	24.15	25.13	5.44
2200	15.55	29.58	17.12	11.03	2.34	0.91	42.31	24.13	25.53	5.39

## Typical Performance Data

### Definitions:

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

900 MHz Match										
TEST CONDITIONS: Vd = 4.75V, Id =98.15 mA @ Temperature = +25degC										
FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	3dB Comp. Output	Noise Figure
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dBm)	(dB)
800	21.99	33.98	9.66	12.69	1.76	1.01	38.35	22.51	23.20	6.18
820	21.89	33.84	10.35	12.01	1.77	0.98	39.14	22.64	23.26	6.17
840	21.76	33.69	10.86	11.41	1.77	0.96	39.32	22.68	23.28	6.08
860	21.61	33.67	11.18	10.88	1.80	0.94	40.12	22.77	23.34	6.08
869	21.53	33.59	11.23	10.67	1.79	0.93	40.34	22.85	23.54	6.05
880	21.44	33.54	11.29	10.43	1.80	0.93	40.38	22.91	23.69	6.02
900	21.25	33.49	11.22	10.04	1.81	0.92	40.67	22.93	23.54	5.99
910	21.16	33.52	11.10	9.87	1.83	0.91	41.19	22.84	23.71	6.00
920	21.07	33.45	10.97	9.69	1.82	0.91	41.19	22.80	23.66	5.96
930	20.97	33.44	10.81	9.56	1.83	0.91	41.36	22.99	23.77	5.98
950	20.77	33.43	10.46	9.29	1.85	0.91	41.71	23.12	23.86	6.05
960	20.66	33.38	10.26	9.15	1.84	0.90	42.50	23.01	23.71	5.98
970	20.56	33.45	10.06	9.04	1.87	0.90	42.08	23.14	23.64	5.99
980	20.46	33.44	9.86	8.93	1.87	0.90	41.82	23.02	23.82	5.99
990	20.35	33.45	9.67	8.83	1.88	0.91	41.71	23.14	23.85	5.99
1000	20.24	33.50	9.47	8.74	1.90	0.91	41.47	23.19	23.61	5.99

2100 MHz Match										
TEST CONDITIONS: Vd = 4.75V, Id =94.64 mA @ Temperature = +25degC										
2000	14.97	31.05	8.20	11.57	2.49	1.08	40.28	23.08	23.72	5.83
2020	15.09	30.75	8.98	11.51	2.45	1.05	39.96	23.26	24.09	5.72
2040	15.19	30.46	9.83	11.47	2.41	1.03	40.21	23.27	23.84	5.62
2060	15.30	30.22	10.71	11.45	2.38	1.00	39.45	22.92	23.77	5.53
2080	15.38	30.01	11.64	11.39	2.35	0.98	39.80	23.10	23.73	5.46
2100	15.42	29.91	12.61	11.30	2.35	0.97	40.40	23.10	23.73	5.42
2110	15.43	29.81	13.12	11.27	2.34	0.96	41.83	23.46	23.78	5.30
2140	15.42	29.65	14.58	11.04	2.33	0.94	41.25	23.34	23.83	5.29
2170	15.43	29.52	15.97	10.97	2.33	0.92	40.77	23.37	23.81	5.26
2180	15.43	29.52	16.32	10.97	2.34	0.92	41.81	23.42	23.70	5.17
2200	15.41	29.37	16.88	10.92	2.31	0.91	41.29	23.39	24.07	5.10

## Typical Performance Data

### Definitions:

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

900 MHz Match										
TEST CONDITIONS: Vd = 5.25V, Id = 117.83 mA @ Temperature = +25degC										
FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	3dB Comp. Output	Noise Figure
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dBm)	(dB)
800	22.07	34.57	9.94	13.71	1.89	1.02	37.86	23.80	24.40	6.74
820	21.96	34.39	10.65	12.96	1.90	0.99	38.09	23.91	24.47	6.73
840	21.84	34.20	11.13	12.30	1.89	0.97	38.34	23.94	24.46	6.64
860	21.69	34.20	11.44	11.73	1.92	0.96	38.74	23.94	24.51	6.65
869	21.61	34.01	11.48	11.49	1.90	0.95	38.71	24.02	24.70	6.62
880	21.52	34.01	11.49	11.23	1.91	0.94	38.73	24.09	24.86	6.60
900	21.34	34.01	11.38	10.81	1.94	0.93	38.88	24.14	24.71	6.59
910	21.24	33.97	11.26	10.62	1.94	0.93	38.99	24.02	24.87	6.59
920	21.15	34.09	11.11	10.43	1.97	0.93	38.90	23.97	24.80	6.56
930	21.05	34.01	10.94	10.28	1.97	0.93	38.97	24.14	24.93	6.58
950	20.85	33.84	10.55	9.99	1.95	0.93	39.10	24.25	25.01	6.64
960	20.75	33.92	10.34	9.85	1.97	0.93	39.52	24.18	24.86	6.60
970	20.65	33.84	10.13	9.71	1.97	0.93	39.10	24.25	24.79	6.59
980	20.54	33.86	9.92	9.60	1.98	0.93	39.04	24.16	24.97	6.61
990	20.44	33.91	9.70	9.48	2.00	0.93	39.14	24.28	25.01	6.57
1000	20.33	33.92	9.50	9.38	2.01	0.93	38.72	24.32	24.76	6.63

2100 MHz Match										
TEST CONDITIONS: Vd = 5.25V, Id = 115.77 mA @ Temperature = +25degC										
2000	15.19	31.19	8.35	12.00	2.51	1.08	37.12	24.51	25.47	6.31
2020	15.32	31.08	9.14	11.94	2.52	1.05	37.68	24.66	25.86	6.19
2040	15.40	30.74	10.04	11.81	2.47	1.03	37.79	24.65	25.58	6.09
2060	15.51	30.51	10.94	11.77	2.43	1.00	37.92	24.37	25.65	6.00
2080	15.56	30.38	11.84	11.67	2.42	0.98	38.38	24.60	25.66	5.96
2100	15.61	30.34	12.88	11.59	2.44	0.97	38.43	24.58	25.70	5.90
2110	15.61	30.15	13.39	11.51	2.40	0.96	38.38	24.85	25.69	5.79
2140	15.61	29.98	14.98	11.34	2.39	0.94	38.65	24.77	25.82	5.78
2170	15.62	29.98	16.38	11.27	2.42	0.92	39.41	24.82	25.87	5.77
2180	15.60	29.85	16.79	11.24	2.40	0.92	39.45	24.81	25.72	5.67
2200	15.58	29.68	17.29	11.17	2.36	0.91	39.71	24.78	26.11	5.63

## Typical Performance Data

### Definitions:

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

900 MHz Match										
TEST CONDITIONS: Vd = 5V, Id =96.69 mA @ Temperature = -45degC										
FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	3dB Comp. Output	Noise Figure
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dBm)	(dB)
800	22.55	34.30	9.56	11.55	1.69	0.99	42.24	23.40	24.06	5.51
820	22.44	34.13	10.23	10.99	1.69	0.96	44.44	23.53	24.13	5.51
840	22.30	33.97	10.67	10.46	1.70	0.94	43.33	23.58	24.15	5.42
860	22.14	33.90	10.94	10.01	1.71	0.92	43.04	23.67	24.20	5.45
869	22.06	33.96	10.97	9.82	1.73	0.91	43.72	23.75	24.40	5.40
880	21.96	33.99	11.00	9.60	1.75	0.91	44.08	23.81	24.57	5.38
900	21.77	33.84	10.88	9.28	1.75	0.89	42.30	23.84	24.41	5.40
910	21.67	33.75	10.76	9.11	1.74	0.89	42.04	23.75	24.58	5.39
920	21.58	33.79	10.61	8.97	1.75	0.89	42.98	23.70	24.51	5.35
930	21.47	33.80	10.45	8.84	1.77	0.88	42.94	23.89	24.64	5.37
950	21.27	33.63	10.09	8.59	1.75	0.88	41.79	24.01	24.73	5.48
960	21.16	33.75	9.90	8.47	1.78	0.88	41.18	23.94	24.58	5.44
970	21.05	33.79	9.70	8.36	1.79	0.88	41.84	24.05	24.50	5.41
980	20.95	33.73	9.51	8.26	1.79	0.88	42.10	23.93	24.69	5.42
990	20.84	33.78	9.31	8.16	1.81	0.88	42.10	24.05	24.71	5.41
1000	20.73	33.72	9.12	8.07	1.80	0.88	42.07	24.09	24.46	5.39

2100 MHz Match										
TEST CONDITIONS: Vd = 5V, Id =96.77 mA @ Temperature = -45degC										
2000	15.61	31.08	8.11	11.56	2.31	1.08	39.86	23.53	23.82	5.18
2020	15.69	30.89	8.84	11.35	2.31	1.05	41.15	23.70	24.18	5.05
2040	15.78	30.46	9.73	11.22	2.25	1.02	39.15	23.67	23.95	4.98
2060	15.90	30.25	10.64	11.20	2.22	1.00	41.30	23.37	23.87	4.88
2080	15.99	30.15	11.61	11.19	2.22	0.98	39.66	23.50	23.83	4.82
2100	16.04	29.88	12.62	11.10	2.18	0.96	39.76	23.49	23.84	4.78
2110	16.05	29.73	13.17	11.06	2.16	0.95	39.30	23.73	23.89	4.70
2140	16.03	29.75	14.64	10.79	2.20	0.93	38.32	23.65	23.92	4.68
2170	16.05	29.59	16.04	10.70	2.19	0.91	38.35	23.64	23.94	4.68
2180	16.04	29.54	16.39	10.67	2.18	0.91	38.10	23.67	23.83	4.56
2200	16.02	29.35	16.83	10.59	2.15	0.90	39.32	23.62	24.19	4.53

## Typical Performance Data

### Definitions:

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

900 MHz Match										
TEST CONDITIONS: Vd = 4.75V, Id =87.05 mA @ Temperature = -45degC										
FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	3dB Comp. Output	Noise Figure
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dBm)	(dB)
800	22.46	34.04	9.43	11.30	1.64	0.99	40.18	22.66	23.39	5.25
820	22.34	33.83	10.09	10.74	1.64	0.96	42.02	22.81	23.47	5.26
840	22.20	33.75	10.55	10.23	1.66	0.93	42.22	22.89	23.50	5.16
860	22.05	33.59	10.84	9.79	1.66	0.91	43.16	23.01	23.57	5.17
869	21.97	33.69	10.88	9.60	1.68	0.91	45.47	23.10	23.78	5.14
880	21.87	33.56	10.92	9.39	1.68	0.90	46.13	23.16	23.94	5.14
900	21.68	33.53	10.82	9.06	1.69	0.89	43.61	23.16	23.78	5.11
910	21.58	33.48	10.70	8.90	1.69	0.88	43.99	23.12	23.96	5.12
920	21.49	33.42	10.57	8.76	1.69	0.88	46.04	23.08	23.89	5.08
930	21.38	33.48	10.42	8.64	1.71	0.88	48.39	23.29	24.03	5.11
950	21.17	33.45	10.06	8.40	1.72	0.87	44.04	23.39	24.12	5.21
960	21.07	33.54	9.88	8.27	1.74	0.87	43.39	23.33	23.97	5.12
970	20.96	33.42	9.69	8.17	1.73	0.87	45.02	23.44	23.89	5.12
980	20.85	33.44	9.51	8.07	1.74	0.87	45.74	23.33	24.08	5.12
990	20.75	33.48	9.30	7.98	1.75	0.87	45.23	23.45	24.10	5.13
1000	20.64	33.38	9.11	7.89	1.74	0.87	44.94	23.49	23.85	5.12

2100 MHz Match										
TEST CONDITIONS: Vd = 4.75V, Id =87.11 mA @ Temperature = -45degC										
2000	15.51	30.97	8.02	11.37	2.29	1.08	44.91	23.54	23.80	5.00
2020	15.58	30.65	8.75	11.14	2.25	1.05	43.69	23.72	24.19	4.87
2040	15.67	30.38	9.63	11.03	2.23	1.02	44.16	23.71	23.96	4.78
2060	15.80	30.12	10.53	11.01	2.20	1.00	42.36	23.40	23.87	4.71
2080	15.89	29.97	11.49	11.01	2.19	0.98	41.51	23.55	23.84	4.63
2100	15.94	29.78	12.48	10.91	2.17	0.96	41.15	23.52	23.85	4.61
2110	15.96	29.71	13.01	10.88	2.17	0.95	40.08	23.79	23.89	4.52
2140	15.94	29.60	14.47	10.61	2.17	0.92	39.33	23.68	23.93	4.49
2170	15.95	29.44	15.86	10.51	2.16	0.91	40.07	23.68	23.95	4.52
2180	15.95	29.40	16.21	10.50	2.16	0.90	39.92	23.69	23.83	4.36
2200	15.92	29.25	16.67	10.40	2.14	0.89	39.94	23.65	24.19	4.34

## Typical Performance Data

### Definitions:

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

900 MHz Match										
TEST CONDITIONS: Vd = 5.25V, Id = 108.86 mA @ Temperature = -45degC										
FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	3dB Comp. Output	Noise Figure
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dBm)	(dB)
800	22.68	34.54	9.69	11.82	1.72	0.99	43.79	24.00	24.66	5.80
820	22.56	34.35	10.34	11.24	1.73	0.96	44.93	24.13	24.71	5.83
840	22.42	34.27	10.79	10.70	1.74	0.94	43.48	24.19	24.72	5.74
860	22.26	34.09	11.04	10.24	1.74	0.92	42.71	24.21	24.76	5.75
869	22.18	34.13	11.06	10.06	1.76	0.92	43.53	24.30	24.96	5.74
880	22.08	34.06	11.07	9.85	1.76	0.91	43.44	24.38	25.13	5.71
900	21.89	33.99	10.92	9.51	1.77	0.90	42.35	24.38	24.98	5.70
910	21.79	33.87	10.79	9.35	1.75	0.89	42.18	24.29	25.14	5.70
920	21.70	33.95	10.64	9.20	1.78	0.89	42.83	24.25	25.07	5.68
930	21.59	34.02	10.47	9.07	1.80	0.89	42.72	24.47	25.20	5.69
950	21.39	33.98	10.09	8.81	1.81	0.89	41.67	24.54	25.28	5.78
960	21.28	34.00	9.90	8.69	1.82	0.89	41.37	24.47	25.14	5.72
970	21.17	34.03	9.70	8.58	1.83	0.89	41.68	24.57	25.06	5.73
980	21.07	33.94	9.50	8.47	1.82	0.89	42.10	24.48	25.24	5.74
990	20.96	34.00	9.30	8.38	1.84	0.89	42.19	24.60	25.27	5.74
1000	20.85	34.10	9.11	8.29	1.87	0.89	42.32	24.64	25.02	5.74

2100 MHz Match										
TEST CONDITIONS: Vd = 5.25V, Id = 109.39 mA @ Temperature = -45degC										
2000	15.73	31.18	8.19	11.77	2.33	1.08	40.09	25.05	25.88	5.41
2020	15.81	30.95	8.92	11.55	2.31	1.05	40.99	25.24	26.41	5.28
2040	15.90	30.62	9.84	11.43	2.27	1.02	40.56	25.23	26.04	5.21
2060	16.02	30.35	10.75	11.42	2.23	1.00	39.31	24.99	26.32	5.13
2080	16.11	30.29	11.76	11.42	2.24	0.98	40.25	25.16	26.15	5.08
2100	16.16	30.05	12.78	11.31	2.21	0.96	40.42	25.18	26.33	5.01
2110	16.17	29.90	13.32	11.27	2.19	0.95	39.61	25.39	26.30	4.97
2140	16.15	29.86	14.82	11.00	2.21	0.93	38.73	25.36	26.47	4.94
2170	16.16	29.75	16.23	10.90	2.21	0.91	38.69	25.39	26.45	4.96
2180	16.16	29.71	16.57	10.88	2.21	0.91	38.06	25.40	26.38	4.82
2200	16.13	29.52	16.99	10.79	2.18	0.90	39.18	25.35	26.68	4.79

## Typical Performance Data

### Definitions:

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

900 MHz Match										
TEST CONDITIONS: Vd = 5V, Id = 103.87 mA @ Temperature = +85degC										
FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	3dB Comp. Output	Noise Figure
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dBm)	(dB)
800	21.44	34.15	10.02	14.41	1.95	1.03	37.31	23.14	23.68	6.89
820	21.34	33.86	10.73	13.64	1.93	1.00	37.76	23.24	23.74	6.89
840	21.22	33.83	11.20	12.95	1.96	0.98	37.92	23.27	23.75	6.79
860	21.08	33.77	11.51	12.36	1.98	0.97	38.38	23.29	23.80	6.78
869	21.01	33.63	11.55	12.13	1.96	0.96	38.61	23.39	24.00	6.76
880	20.92	33.67	11.58	11.85	1.98	0.96	38.67	23.47	24.15	6.74
900	20.74	33.55	11.48	11.42	1.98	0.95	38.65	23.50	24.00	6.72
910	20.65	33.63	11.35	11.22	2.01	0.95	38.73	23.38	24.16	6.72
920	20.56	33.42	11.21	11.03	1.97	0.94	38.82	23.34	24.10	6.69
930	20.46	33.45	11.05	10.88	1.99	0.94	39.09	23.50	24.22	6.68
950	20.27	33.65	10.67	10.58	2.05	0.95	39.06	23.62	24.31	6.77
960	20.17	33.48	10.46	10.43	2.02	0.94	39.52	23.58	24.16	6.71
970	20.07	33.44	10.27	10.29	2.02	0.94	39.12	23.63	24.09	6.68
980	19.97	33.51	10.06	10.17	2.05	0.95	39.26	23.52	24.26	6.69
990	19.86	33.42	9.85	10.05	2.04	0.95	39.28	23.65	24.30	6.69
1000	19.76	33.56	9.65	9.95	2.07	0.95	38.90	23.68	24.07	6.71

2100 MHz Match										
TEST CONDITIONS: Vd = 5V, Id = 105.45 mA @ Temperature = +85degC										
2000	14.57	31.23	8.36	11.98	2.70	1.08	36.53	23.28	23.74	6.66
2020	14.70	30.91	9.11	11.97	2.65	1.05	36.88	23.48	24.07	6.50
2040	14.79	30.60	9.95	11.86	2.60	1.03	36.72	23.43	23.82	6.43
2060	14.87	30.47	10.81	11.77	2.59	1.01	37.14	23.09	23.72	6.32
2080	14.92	30.23	11.70	11.67	2.55	0.99	37.14	23.22	23.70	6.25
2100	14.97	30.14	12.71	11.58	2.55	0.97	36.52	23.23	23.73	6.21
2110	14.98	30.09	13.21	11.51	2.55	0.96	37.64	23.54	23.79	6.10
2140	14.98	29.96	14.79	11.37	2.55	0.94	38.04	23.45	23.82	6.07
2170	14.99	29.75	16.27	11.29	2.52	0.93	37.91	23.37	23.80	5.99
2180	14.98	29.63	16.66	11.28	2.50	0.93	37.03	23.40	23.67	5.96
2200	14.95	29.60	17.21	11.22	2.51	0.92	39.15	23.34	24.06	5.89

## Typical Performance Data

### Definitions:

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

900 MHz Match										
TEST CONDITIONS: Vd = 4.75V, Id = 94.45 mA @ Temperature = +85degC										
FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	3dB Comp. Output	Noise Figure
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dBm)	(dB)
800	21.44	33.77	9.82	13.68	1.85	1.02	36.36	22.45	23.06	6.57
820	21.34	33.77	10.52	12.95	1.88	1.00	36.90	22.58	23.12	6.55
840	21.22	33.46	11.01	12.31	1.86	0.98	36.98	22.62	23.14	6.49
860	21.08	33.45	11.34	11.74	1.88	0.96	37.52	22.67	23.19	6.45
869	21.01	33.37	11.38	11.53	1.88	0.95	37.72	22.74	23.40	6.44
880	20.92	33.44	11.44	11.27	1.91	0.95	37.79	22.80	23.55	6.42
900	20.74	33.33	11.36	10.87	1.91	0.94	37.84	22.83	23.40	6.37
910	20.65	33.23	11.24	10.68	1.90	0.94	38.00	22.73	23.56	6.38
920	20.56	33.23	11.13	10.50	1.91	0.93	38.07	22.68	23.51	6.34
930	20.46	33.19	10.96	10.35	1.91	0.93	38.27	22.87	23.62	6.36
950	20.27	33.26	10.61	10.07	1.94	0.93	38.23	22.99	23.70	6.44
960	20.16	33.18	10.42	9.93	1.93	0.93	38.73	22.92	23.56	6.39
970	20.07	33.21	10.22	9.81	1.95	0.93	38.45	23.01	23.49	6.35
980	19.97	33.17	10.02	9.69	1.95	0.93	38.59	22.90	23.66	6.36
990	19.86	33.13	9.82	9.58	1.95	0.93	38.53	23.01	23.70	6.32
1000	19.76	33.15	9.62	9.48	1.96	0.93	38.18	23.05	23.46	6.34

2100 MHz Match										
TEST CONDITIONS: Vd = 4.75V, Id = 94.49 mA @ Temperature = +85degC										
2000	14.52	30.95	8.24	11.79	2.61	1.08	36.40	22.66	23.71	6.42
2020	14.66	30.61	9.00	11.78	2.55	1.05	36.53	22.80	24.07	6.27
2040	14.74	30.34	9.83	11.68	2.52	1.03	36.96	22.88	23.83	6.17
2060	14.82	30.22	10.67	11.58	2.51	1.01	37.38	22.53	23.72	6.07
2080	14.88	30.01	11.54	11.48	2.49	0.99	36.71	22.70	23.71	5.99
2100	14.93	29.86	12.54	11.40	2.47	0.97	37.11	22.68	23.72	5.94
2110	14.93	29.84	13.02	11.33	2.48	0.96	37.46	23.01	23.78	5.85
2140	14.95	29.69	14.59	11.19	2.48	0.94	37.26	22.91	23.81	5.81
2170	14.95	29.54	16.03	11.11	2.46	0.93	37.56	22.95	23.79	5.76
2180	14.94	29.47	16.43	11.09	2.45	0.92	37.75	22.96	23.67	5.69
2200	14.92	29.37	17.02	11.04	2.44	0.92	37.66	22.93	24.06	5.63



## Typical Performance Data

### Definitions:

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

900 MHz Match										
TEST CONDITIONS: Vd = 5.25V, Id = 111.49 mA @ Temperature = +85degC										
FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	3dB Comp. Output	Noise Figure
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dBm)	(dB)
800	21.40	34.44	10.18	15.16	2.04	1.03	37.57	23.78	24.25	7.12
820	21.30	34.24	10.88	14.34	2.04	1.01	37.93	23.89	24.32	7.15
840	21.17	33.97	11.36	13.60	2.02	0.99	38.06	23.89	24.31	7.06
860	21.03	33.94	11.65	12.96	2.04	0.98	38.54	23.93	24.36	7.04
869	20.96	33.92	11.68	12.71	2.05	0.97	38.68	23.99	24.56	7.02
880	20.87	33.80	11.71	12.42	2.04	0.96	38.76	24.05	24.71	6.99
900	20.69	33.78	11.57	11.97	2.06	0.96	38.74	24.10	24.57	6.99
910	20.60	33.74	11.44	11.76	2.06	0.96	38.97	23.99	24.73	6.99
920	20.52	33.74	11.28	11.56	2.07	0.96	38.86	23.94	24.66	6.95
930	20.42	33.81	11.11	11.40	2.10	0.96	39.07	24.10	24.78	6.96
950	20.22	33.67	10.72	11.07	2.09	0.96	39.02	24.22	24.86	7.03
960	20.12	33.65	10.51	10.91	2.09	0.96	39.31	24.14	24.71	6.97
970	20.02	33.63	10.31	10.77	2.10	0.96	39.14	24.19	24.64	6.98
980	19.92	33.72	10.09	10.65	2.13	0.96	39.28	24.13	24.81	6.99
990	19.82	33.67	9.88	10.52	2.12	0.96	39.26	24.23	24.86	6.96
1000	19.72	33.71	9.66	10.41	2.14	0.96	38.88	24.29	24.62	6.99

2100 MHz Match										
TEST CONDITIONS: Vd = 5.25V, Id = 113.22 mA @ Temperature = +85degC										
2000	14.57	31.32	8.42	12.10	2.75	1.08	36.25	24.14	25.14	6.87
2020	14.70	30.98	9.20	12.11	2.68	1.05	35.56	24.32	25.53	6.71
2040	14.78	30.71	10.05	12.00	2.64	1.03	36.23	24.30	25.29	6.63
2060	14.87	30.60	10.92	11.90	2.64	1.01	36.79	23.99	25.29	6.54
2080	14.91	30.53	11.81	11.80	2.65	0.99	36.47	24.20	25.37	6.47
2100	14.96	30.22	12.85	11.72	2.59	0.97	35.92	24.20	25.37	6.43
2110	14.97	30.19	13.35	11.63	2.59	0.96	36.25	24.47	25.37	6.31
2140	14.98	30.02	14.94	11.48	2.58	0.94	36.68	24.40	25.49	6.28
2170	14.98	29.86	16.40	11.42	2.57	0.93	36.80	24.36	25.56	6.23
2180	14.96	29.88	16.80	11.40	2.58	0.93	36.78	24.41	25.41	6.16
2200	14.94	29.73	17.33	11.34	2.55	0.92	37.27	24.41	25.79	6.13