

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 = 86mA @ 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)
500	14.77	60.99	11.92	35.85	97.68	1.06	32.97	19.40	4.79
1200	15.30	58.77	17.51	27.84	75.24	1.02	32.48	19.32	4.20
1900	15.86	51.19	13.73	25.58	28.85	1.04	32.73	19.38	3.46
2600	14.07	49.69	8.01	22.95	26.05	1.15	33.34	19.50	3.87
3300	13.07	52.00	8.86	23.70	40.12	1.12	32.88	19.38	4.34
4000	13.19	50.34	10.13	24.66	34.22	1.09	33.17	19.49	4.16
5000	13.45	46.62	11.77	26.70	22.63	1.06	33.46	19.63	3.28
5500	13.59	45.19	12.68	29.19	19.27	1.05	32.54	19.66	3.05
6000	13.73	44.42	13.55	34.91	17.66	1.04	32.92	19.68	2.79
6500	13.83	43.89	14.21	37.00	16.66	1.04	33.57	19.68	2.39
7000	13.87	43.24	14.73	28.49	15.49	1.03	32.60	19.37	2.19
7500	13.90	42.37	15.10	24.14	14.03	1.03	32.26	18.98	2.25
8000	13.94	41.91	15.04	21.45	13.25	1.02	32.46	19.22	2.20
8500	13.99	40.67	14.59	20.21	11.42	1.02	31.86	19.08	2.18
9000	14.07	40.17	14.00	20.13	10.70	1.03	31.63	18.92	2.41
9500	14.13	39.27	13.31	21.11	9.57	1.03	31.81	18.96	2.73
10000	14.14	38.62	12.51	22.62	8.81	1.05	30.58	18.56	2.85
10500	14.15	37.78	11.65	22.52	7.91	1.06	30.05	18.43	3.18
11000	14.11	36.99	10.81	19.76	7.12	1.06	31.86	18.30	3.39
11500	14.05	36.34	10.11	17.14	6.52	1.07	31.11	17.97	3.54
12000	13.95	35.98	9.67	15.20	6.17	1.07	30.88	17.71	3.38
12500	13.86	35.47	9.53	13.89	5.78	1.06	31.51	18.34	3.43
13000	13.77	35.05	9.46	13.23	5.49	1.06	31.64	18.56	3.64
13500	13.68	34.62	9.37	13.27	5.25	1.06	31.77	18.56	3.62
14000	13.61	34.29	9.24	13.94	5.09	1.07	30.60	18.58	3.59
14500	13.55	33.96	9.15	15.41	4.98	1.09	30.99	18.28	3.66
15000	13.48	33.61	8.97	17.38	4.85	1.10	29.69	17.71	3.62
16000	13.47	32.93	8.62	19.28	4.54	1.12	29.45	17.18	3.91
16200	13.51	32.72	8.72	19.33	4.45	1.12	27.85	17.05	3.67
16400	13.55	32.66	8.85	19.28	4.42	1.11	28.83	16.97	3.79
16600	13.63	32.37	9.02	19.25	4.28	1.11	28.44	16.93	3.88
16800	13.71	32.08	9.31	19.44	4.15	1.10	28.47	16.79	3.98
17000	13.81	31.88	9.68	19.54	4.06	1.09	27.16	16.63	4.06
17200	13.91	31.57	10.11	19.61	3.92	1.08	26.85	16.59	4.17
17400	14.00	31.32	10.56	19.22	3.81	1.07	26.26	16.35	4.33
17600	14.06	31.07	11.02	18.48	3.71	1.05	27.12	16.24	4.37
17800	14.08	30.70	11.21	17.10	3.54	1.04	26.31	16.00	4.48
18000	14.05	30.41	11.26	16.08	3.41	1.02	26.60	16.23	4.55

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 = 84mA @ 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)
500	14.77	65.63	11.92	34.45	167.11	1.06	33.19	19.36	4.75
1200	15.29	58.90	17.55	27.55	76.55	1.02	32.33	19.28	4.21
1900	15.85	51.35	13.77	25.14	29.46	1.04	33.13	19.33	3.49
2600	14.06	48.87	8.03	22.50	23.76	1.15	32.28	19.35	3.89
3300	13.06	51.34	8.88	23.12	37.22	1.12	31.99	19.23	4.39
4000	13.18	49.92	10.14	23.98	32.65	1.09	32.47	19.26	4.17
5000	13.44	46.27	11.79	26.15	21.78	1.06	33.14	19.50	3.27
5500	13.58	44.93	12.72	28.85	18.74	1.05	33.01	19.54	3.06
6000	13.72	43.95	13.59	35.28	16.75	1.04	31.85	19.56	2.76
6500	13.81	43.23	14.26	38.91	15.47	1.04	31.53	19.57	2.34
7000	13.86	42.90	14.79	28.52	14.91	1.03	32.39	19.26	2.13
7500	13.89	42.09	15.14	23.98	13.60	1.02	32.31	18.95	2.21
8000	13.93	41.44	15.08	21.25	12.57	1.02	32.31	19.21	2.16
8500	13.99	40.61	14.63	20.03	11.35	1.02	31.31	18.99	2.17
9000	14.06	39.75	14.06	20.00	10.21	1.03	31.73	18.91	2.42
9500	14.12	38.81	13.37	21.01	9.10	1.03	32.85	18.95	2.69
10000	14.14	38.11	12.56	22.57	8.32	1.05	30.97	18.47	2.87
10500	14.15	37.34	11.71	22.39	7.53	1.06	30.47	18.43	3.17
11000	14.11	36.80	10.85	19.60	6.97	1.06	30.81	18.34	3.39
11500	14.04	36.28	10.14	17.00	6.48	1.07	30.19	18.10	3.55
12000	13.94	35.63	9.72	15.10	5.94	1.06	30.14	17.82	3.37
12500	13.84	35.27	9.57	13.83	5.65	1.06	31.55	18.37	3.41
13000	13.75	34.80	9.50	13.20	5.34	1.05	31.23	18.58	3.66
13500	13.67	34.40	9.40	13.29	5.12	1.06	31.16	18.58	3.67
14000	13.60	34.09	9.27	14.02	4.98	1.07	32.00	18.50	3.62
14500	13.54	33.71	9.16	15.53	4.84	1.09	30.93	18.28	3.63
15000	13.46	33.42	8.97	17.53	4.75	1.10	30.36	17.74	3.66
16000	13.47	32.67	8.61	19.38	4.41	1.12	29.02	17.35	3.92
16200	13.51	32.54	8.69	19.46	4.36	1.12	29.27	17.32	3.68
16400	13.56	32.39	8.82	19.45	4.29	1.11	28.20	17.15	3.81
16600	13.64	32.04	8.99	19.50	4.12	1.11	28.21	17.21	3.91
16800	13.72	31.94	9.27	19.77	4.07	1.10	27.47	17.08	3.95
17000	13.83	31.66	9.65	19.95	3.96	1.09	28.53	16.93	4.02
17200	13.93	31.31	10.07	20.07	3.81	1.08	27.46	16.82	4.16
17400	14.04	31.07	10.54	19.69	3.70	1.07	27.27	16.68	4.29
17600	14.10	30.69	11.02	18.84	3.54	1.05	26.63	16.58	4.36
17800	14.13	30.46	11.23	17.33	3.43	1.04	26.59	16.44	4.49
18000	14.10	30.27	11.31	16.18	3.34	1.02	26.52	16.57	4.60

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 = 5.25, Id = 88mA @ 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)
500	14.78	64.75	11.91	37.51	388.90	1.06	33.69	19.51	4.79
1200	15.31	61.10	17.47	28.09	273.24	1.01	32.50	19.22	4.22
1900	15.86	52.56	13.69	25.96	104.43	1.03	33.57	19.36	3.49
2600	14.07	49.90	7.99	23.40	96.24	1.14	32.62	19.59	3.86
3300	13.07	53.07	8.84	24.29	269.25	1.12	33.64	19.47	4.45
4000	13.19	51.42	10.10	25.38	85.04	1.09	33.17	19.58	4.20
5000	13.45	47.35	11.73	27.24	43.18	1.06	32.74	19.68	3.33
5500	13.59	45.56	12.64	29.49	34.94	1.04	33.07	19.74	3.09
6000	13.73	44.84	13.49	33.99	31.58	1.03	31.96	19.74	2.77
6500	13.82	44.32	14.16	35.19	32.13	1.03	33.42	19.76	2.31
7000	13.87	43.75	14.69	28.48	29.15	1.03	32.71	19.45	2.19
7500	13.89	43.10	15.05	24.31	25.44	1.03	32.06	19.04	2.29
8000	13.93	42.50	14.99	21.62	21.92	1.03	31.55	19.19	2.14
8500	13.99	41.19	14.55	20.38	19.72	1.03	31.28	19.05	2.15
9000	14.06	40.32	13.96	20.25	16.65	1.04	32.05	18.89	2.42
9500	14.11	39.73	13.26	21.17	15.11	1.05	31.17	18.93	2.72
10000	14.13	38.72	12.45	22.66	13.12	1.06	31.54	18.43	2.84
10500	14.14	38.02	11.61	22.61	11.78	1.07	31.09	18.38	3.16
11000	14.10	37.25	10.76	19.89	10.63	1.08	31.54	18.16	3.40
11500	14.03	36.75	10.07	17.26	9.61	1.09	31.09	17.90	3.55
12000	13.93	36.23	9.64	15.28	9.00	1.08	30.03	17.65	3.38
12500	13.84	35.73	9.49	13.95	8.20	1.07	31.03	18.19	3.49
13000	13.75	35.36	9.43	13.24	7.65	1.05	31.62	18.51	3.63
13500	13.66	34.87	9.33	13.24	7.21	1.04	31.08	18.59	3.63
14000	13.59	34.56	9.22	13.88	6.90	1.05	31.58	18.53	3.59
14500	13.52	34.28	9.12	15.28	6.62	1.06	31.79	18.32	3.72
15000	13.45	33.84	8.96	17.21	6.34	1.08	30.60	17.65	3.61
16000	13.44	33.16	8.65	19.16	5.99	1.13	29.54	16.92	3.83
16200	13.48	32.99	8.74	19.20	5.89	1.13	29.85	16.75	3.67
16400	13.52	32.80	8.88	19.10	5.80	1.13	29.14	16.60	3.76
16600	13.59	32.57	9.05	19.05	5.73	1.12	28.47	16.53	3.85
16800	13.66	32.30	9.35	19.15	5.67	1.12	28.89	16.18	4.00
17000	13.76	32.04	9.72	19.16	5.59	1.11	28.03	16.04	4.06
17200	13.85	31.72	10.14	19.17	5.46	1.10	27.89	15.89	4.14
17400	13.93	31.49	10.59	18.80	5.32	1.09	27.10	15.65	4.27
17600	13.98	31.25	11.03	18.15	5.18	1.08	26.90	15.44	4.38
17800	13.99	30.96	11.19	16.87	5.10	1.07	26.85	15.28	4.47
18000	13.95	30.65	11.21	15.97	4.98	1.06	26.49	15.50	4.58

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 = 5.00V, Id = 54mA @ Temperature = -55°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)
500	14.75	69.93	12.05	31.19	310.69	1.06	30.43	18.51	3.94
1200	15.30	77.20	18.32	26.14	709.12	1.01	30.19	18.33	3.41
1900	15.90	63.24	14.98	26.24	129.56	1.03	28.63	18.19	2.82
2600	14.24	60.34	8.42	28.18	97.82	1.14	28.28	17.99	3.14
3300	13.17	66.36	9.18	31.86	230.41	1.12	27.93	17.99	3.63
4000	13.29	56.13	10.51	44.30	72.81	1.09	27.49	17.82	3.52
5000	13.58	51.87	12.27	25.50	44.50	1.06	27.37	17.92	2.72
5500	13.74	50.11	13.25	23.11	36.17	1.04	26.83	17.76	2.48
6000	13.90	49.68	14.08	22.49	34.26	1.03	26.65	17.74	2.23
6500	14.00	48.65	14.68	22.77	30.33	1.03	26.04	17.63	1.87
7000	14.06	47.82	15.10	23.59	27.58	1.03	26.04	17.52	1.62
7500	14.09	47.03	15.33	24.48	25.18	1.03	25.85	17.24	1.70
8000	14.14	45.85	15.16	24.64	21.92	1.03	25.59	17.26	1.54
8500	14.21	44.67	14.52	23.88	19.02	1.03	25.05	17.13	1.39
9000	14.29	43.72	13.72	23.16	16.93	1.04	24.36	17.04	1.49
9500	14.36	42.62	12.76	23.17	14.77	1.05	23.73	17.02	1.61
10000	14.41	41.58	11.86	24.11	12.96	1.06	23.14	16.78	1.61
10500	14.45	40.79	11.11	26.23	11.66	1.07	23.09	16.64	1.84
11000	14.44	40.13	10.47	24.59	10.66	1.08	22.89	17.00	2.04
11500	14.41	39.36	9.93	20.33	9.59	1.09	22.80	16.54	2.19
12000	14.37	38.94	9.57	16.89	8.96	1.08	22.34	15.90	2.05
12500	14.33	38.44	9.45	14.44	8.32	1.07	22.20	16.20	2.15
13000	14.30	37.99	9.45	12.97	7.78	1.05	21.72	16.10	2.40
13500	14.26	37.63	9.45	12.29	7.39	1.04	21.48	15.86	2.45
14000	14.23	37.10	9.37	12.21	6.92	1.05	21.34	16.36	2.34
14500	14.22	36.78	9.20	12.80	6.67	1.06	21.60	16.42	2.48
15000	14.19	36.40	8.82	13.82	6.40	1.08	21.59	16.42	2.54
16000	14.15	35.87	7.92	15.07	6.01	1.13	21.78	15.76	2.74
16200	14.17	35.68	7.86	14.99	5.89	1.13	21.28	15.63	2.47
16400	14.20	35.57	7.83	14.67	5.82	1.13	21.08	15.70	2.56
16600	14.27	35.52	7.83	14.33	5.78	1.12	20.64	16.09	2.55
16800	14.34	35.35	7.93	14.04	5.68	1.12	20.61	16.14	2.49
17000	14.45	35.14	8.11	13.73	5.56	1.11	20.90	16.08	2.54
17200	14.56	34.88	8.35	13.60	5.42	1.10	20.42	16.35	2.59
17400	14.68	34.80	8.70	13.48	5.40	1.09	20.55	16.43	2.53
17600	14.78	34.41	9.15	13.49	5.21	1.08	20.13	16.54	2.57
17800	14.87	34.27	9.54	13.33	5.14	1.06	19.93	16.62	2.57
18000	14.95	34.01	9.97	13.45	5.02	1.05	19.73	16.61	2.61



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 = 4.75, Id = 54mA @ Temperature = -55°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)
500	14.73	66.95	12.05	31.44	219.73	1.06	30.35	18.08	3.87
1200	15.29	69.75	18.31	26.25	299.55	1.01	29.93	17.79	3.41
1900	15.89	60.77	14.97	26.23	97.27	1.03	28.66	17.65	2.74
2600	14.22	59.55	8.41	28.07	89.07	1.14	27.57	17.34	3.12
3300	13.16	74.98	9.18	31.79	620.34	1.12	27.74	17.23	3.68
4000	13.28	56.62	10.50	44.98	76.84	1.09	27.66	17.16	3.48
5000	13.56	51.63	12.28	25.63	43.18	1.06	27.01	17.36	2.74
5500	13.73	49.56	13.24	23.26	33.88	1.04	26.80	17.21	2.48
6000	13.89	49.29	14.07	22.62	32.71	1.03	26.51	17.07	2.17
6500	13.99	49.19	14.67	22.91	32.25	1.03	26.05	16.96	1.90
7000	14.05	48.38	15.10	23.68	29.38	1.03	25.93	16.95	1.63
7500	14.08	47.23	15.34	24.47	25.74	1.03	25.85	16.67	1.66
8000	14.13	46.05	15.17	24.58	22.42	1.03	25.44	16.70	1.53
8500	14.20	44.84	14.51	23.79	19.39	1.03	24.99	16.46	1.42
9000	14.28	43.59	13.71	23.08	16.66	1.04	24.27	16.48	1.46
9500	14.36	42.43	12.77	23.11	14.43	1.05	23.97	16.35	1.62
10000	14.40	41.77	11.87	24.16	13.24	1.06	23.05	16.32	1.56
10500	14.45	40.63	11.15	26.12	11.44	1.07	22.98	16.19	1.76
11000	14.44	40.03	10.51	24.46	10.53	1.08	22.77	16.44	2.03
11500	14.41	39.28	9.97	20.27	9.50	1.09	22.58	16.19	2.03
12000	14.37	38.88	9.61	16.87	8.90	1.08	22.26	15.33	1.96
12500	14.33	38.41	9.48	14.45	8.29	1.07	22.07	15.64	2.03
13000	14.30	37.94	9.49	12.99	7.74	1.05	21.67	15.41	2.35
13500	14.26	37.44	9.47	12.32	7.22	1.04	21.42	15.50	2.47
14000	14.23	37.06	9.38	12.23	6.87	1.05	21.33	15.69	2.37
14500	14.22	36.72	9.21	12.83	6.62	1.06	21.48	15.85	2.42
15000	14.19	36.29	8.85	13.84	6.31	1.08	21.48	15.76	2.45
16000	14.15	35.85	7.95	15.13	5.98	1.12	21.77	14.98	2.65
16200	14.17	35.58	7.89	15.05	5.81	1.13	21.11	15.08	2.46
16400	14.21	35.51	7.86	14.73	5.77	1.12	21.03	14.94	2.52
16600	14.28	35.35	7.86	14.40	5.66	1.12	20.59	15.32	2.52
16800	14.35	35.27	7.96	14.10	5.62	1.12	20.42	15.59	2.65
17000	14.46	35.07	8.14	13.81	5.50	1.11	20.68	15.42	2.43
17200	14.58	34.87	8.39	13.67	5.40	1.10	20.35	15.80	2.54
17400	14.70	34.64	8.73	13.56	5.29	1.09	20.48	15.89	2.51
17600	14.82	34.36	9.19	13.59	5.17	1.08	20.02	16.02	2.51
17800	14.92	34.11	9.59	13.44	5.03	1.06	19.94	15.98	2.47
18000	15.01	33.81	10.07	13.57	4.91	1.05	19.68	16.07	2.56



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 = 5.25V, Id = 54mA @ Temperature = -55°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)
500	14.78	71.86	12.05	30.82	388.90	1.06	31.03	18.46	3.93
1200	15.33	68.90	18.36	26.11	273.24	1.01	29.56	18.36	3.47
1900	15.93	61.34	15.04	26.26	104.43	1.03	28.43	18.12	2.77
2600	14.26	60.19	8.44	28.30	96.24	1.14	27.76	18.01	3.09
3300	13.20	67.70	9.21	31.86	269.25	1.12	27.79	18.02	3.67
4000	13.32	57.48	10.52	44.04	85.04	1.09	27.63	17.95	3.54
5000	13.60	51.62	12.29	25.33	43.18	1.06	27.18	17.93	2.73
5500	13.76	49.82	13.27	22.98	34.94	1.04	26.83	17.77	2.50
6000	13.92	48.99	14.12	22.33	31.58	1.03	26.45	17.74	2.19
6500	14.02	49.16	14.73	22.67	32.13	1.03	26.26	17.53	1.92
7000	14.08	48.32	15.14	23.52	29.15	1.03	26.01	17.63	1.70
7500	14.11	47.13	15.35	24.45	25.44	1.03	25.56	17.36	1.78
8000	14.16	45.86	15.16	24.69	21.92	1.03	25.33	17.27	1.55
8500	14.22	45.00	14.53	23.96	19.72	1.03	24.74	17.13	1.39
9000	14.30	43.59	13.72	23.15	16.65	1.04	24.31	17.04	1.54
9500	14.38	42.85	12.75	23.18	15.11	1.05	23.73	17.02	1.65
10000	14.42	41.71	11.83	24.08	13.12	1.06	23.01	16.89	1.66
10500	14.46	40.90	11.09	26.18	11.78	1.07	22.92	16.64	1.90
11000	14.45	40.13	10.45	24.72	10.63	1.08	22.65	16.89	2.12
11500	14.42	39.41	9.91	20.40	9.61	1.09	22.53	16.76	2.27
12000	14.38	39.00	9.54	16.88	9.00	1.08	22.26	15.80	2.20
12500	14.34	38.34	9.43	14.38	8.20	1.07	22.07	16.09	2.14
13000	14.31	37.88	9.44	12.91	7.65	1.05	21.69	15.97	2.40
13500	14.27	37.45	9.44	12.23	7.21	1.04	21.34	15.96	2.49
14000	14.24	37.11	9.37	12.12	6.90	1.05	21.36	16.25	2.44
14500	14.23	36.74	9.20	12.74	6.62	1.06	21.54	16.52	2.50
15000	14.20	36.35	8.81	13.77	6.34	1.08	21.41	16.42	2.50
16000	14.16	35.88	7.88	14.96	5.99	1.13	21.66	15.77	2.66
16200	14.18	35.72	7.82	14.90	5.89	1.13	21.09	15.64	2.53
16400	14.21	35.58	7.78	14.57	5.80	1.13	20.99	15.82	2.58
16600	14.27	35.49	7.78	14.22	5.73	1.12	20.43	16.09	2.51
16800	14.34	35.38	7.88	13.93	5.67	1.12	20.43	16.34	2.62
17000	14.44	35.23	8.05	13.62	5.59	1.11	20.75	16.20	2.50
17200	14.55	34.97	8.28	13.48	5.46	1.10	20.30	16.36	2.65
17400	14.66	34.71	8.62	13.36	5.32	1.09	20.27	16.55	2.59
17600	14.76	34.40	9.07	13.39	5.18	1.08	19.95	16.57	2.68
17800	14.84	34.23	9.44	13.22	5.10	1.07	19.81	16.66	2.59
18000	14.90	33.97	9.88	13.34	4.98	1.06	19.64	16.64	2.67

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 = 94mA @ Temperature = +100°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)
500	13.63	68.29	11.95	37.42	226.09	1.06	33.45	19.28	5.46
1200	14.25	58.25	17.57	27.84	70.88	1.02	33.22	19.22	4.84
1900	14.99	50.80	13.49	25.14	27.67	1.04	32.70	19.57	4.07
2600	13.56	49.25	8.07	22.33	25.28	1.15	33.45	19.94	4.58
3300	12.46	51.41	9.00	22.98	38.06	1.12	32.93	19.44	5.07
4000	12.63	49.54	10.34	24.13	31.76	1.09	34.07	19.33	4.80
5000	13.02	45.95	12.06	26.64	21.36	1.06	32.01	19.54	3.80
5500	13.22	44.62	12.96	29.31	18.42	1.05	33.44	19.68	3.64
6000	13.41	43.82	13.80	36.90	16.85	1.04	33.90	19.79	3.26
6500	13.55	43.24	14.47	38.83	15.81	1.03	32.55	19.70	2.93
7000	13.63	42.45	15.08	28.11	14.48	1.03	32.48	19.46	2.64
7500	13.68	41.77	15.36	23.95	13.40	1.02	33.24	19.05	2.80
8000	13.74	41.21	15.10	21.68	12.53	1.02	31.77	19.21	2.75
8500	13.81	40.48	14.53	21.06	11.46	1.02	33.02	19.14	2.70
9000	13.88	39.56	13.90	21.83	10.25	1.03	32.25	18.96	3.02
9500	13.93	39.04	13.22	23.92	9.60	1.04	31.28	18.98	3.36
10000	13.95	38.07	12.48	25.72	8.55	1.05	31.71	18.44	3.47
10500	14.01	37.46	11.74	23.85	7.90	1.06	32.22	18.38	3.88
11000	14.06	36.93	10.99	20.30	7.38	1.06	31.39	18.25	4.02
11500	14.11	36.34	10.32	17.63	6.84	1.07	30.60	18.07	4.22
12000	14.15	35.98	9.86	15.70	6.53	1.07	30.19	17.85	4.13
12500	14.19	35.72	9.69	14.48	6.34	1.06	31.40	18.25	4.19
13000	14.22	35.50	9.66	14.00	6.23	1.06	31.13	18.37	4.39
13500	14.24	35.12	9.64	14.17	6.04	1.06	29.83	18.31	4.39
14000	14.27	34.81	9.57	14.85	5.92	1.07	30.78	18.21	4.36
14500	14.32	34.42	9.50	15.91	5.76	1.08	31.71	17.89	4.44
15000	14.32	34.14	9.39	16.98	5.66	1.09	29.90	17.28	4.43
16000	14.21	33.45	9.56	17.95	5.33	1.09	29.05	16.65	4.70
16200	14.18	33.22	9.76	18.13	5.22	1.09	28.59	16.59	4.55
16400	14.15	33.10	10.01	18.27	5.16	1.08	28.36	16.23	4.71
16600	14.14	32.93	10.26	18.33	5.06	1.08	28.07	16.27	4.72
16800	14.13	32.67	10.56	18.43	4.90	1.07	27.88	16.11	4.89
17000	14.15	32.43	10.87	18.25	4.76	1.06	27.48	15.77	4.87
17200	14.18	32.21	11.06	17.87	4.62	1.06	27.65	15.73	5.02
17400	14.24	32.15	11.13	17.00	4.55	1.05	26.69	15.58	4.96
17600	14.31	31.98	11.02	15.93	4.42	1.04	26.43	15.61	5.27
17800	14.39	31.87	10.58	14.58	4.31	1.03	26.14	15.41	5.35
18000	14.48	31.93	10.11	13.61	4.30	1.03	26.57	15.55	5.59

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 = 93mA @ Temperature = +100°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)
500	13.65	65.14	11.96	35.30	157.40	1.06	32.63	18.98	5.51
1200	14.27	57.09	17.61	27.50	62.11	1.02	33.30	18.92	4.83
1900	15.00	50.20	13.53	24.67	25.84	1.04	33.44	19.25	4.06
2600	13.57	48.56	8.08	21.84	23.39	1.15	34.21	19.54	4.58
3300	12.46	50.32	9.02	22.38	33.59	1.12	33.80	19.11	5.10
4000	12.63	49.01	10.36	23.43	29.89	1.09	32.69	19.09	4.77
5000	13.01	45.21	12.09	25.91	19.65	1.06	32.96	19.32	3.82
5500	13.21	44.10	13.00	28.62	17.38	1.05	32.50	19.37	3.63
6000	13.40	43.28	13.84	35.74	15.86	1.04	32.65	19.57	3.21
6500	13.54	42.75	14.54	37.68	14.98	1.03	32.62	19.47	2.96
7000	13.62	42.29	15.14	27.76	14.25	1.03	32.87	19.16	2.75
7500	13.67	41.35	15.41	23.60	12.80	1.02	32.17	18.83	2.81
8000	13.73	40.81	15.14	21.43	11.98	1.02	32.43	19.00	2.74
8500	13.79	39.96	14.56	20.90	10.80	1.02	32.00	18.84	2.76
9000	13.86	39.22	13.95	21.76	9.88	1.03	31.77	18.66	3.04
9500	13.91	38.49	13.28	23.88	9.02	1.04	31.93	18.76	3.33
10000	13.93	37.91	12.55	25.60	8.40	1.05	30.77	18.23	3.54
10500	13.99	37.10	11.81	23.62	7.59	1.06	31.47	18.18	3.82
11000	14.04	36.63	11.05	20.06	7.13	1.06	31.23	18.13	4.15
11500	14.09	36.10	10.36	17.43	6.67	1.06	31.27	17.86	4.21
12000	14.13	35.73	9.90	15.56	6.36	1.06	29.97	17.47	4.05
12500	14.16	35.42	9.73	14.38	6.14	1.06	30.66	17.96	4.16
13000	14.20	35.10	9.71	13.95	5.97	1.06	30.97	18.08	4.35
13500	14.22	34.80	9.70	14.19	5.85	1.06	30.92	18.01	4.44
14000	14.25	34.53	9.62	14.90	5.75	1.07	31.29	17.99	4.42
14500	14.29	34.16	9.53	16.00	5.60	1.08	30.71	17.59	4.28
15000	14.30	33.94	9.40	17.04	5.55	1.09	30.22	17.07	4.39
16000	14.20	33.11	9.58	18.12	5.14	1.09	28.87	16.56	4.74
16200	14.17	32.99	9.78	18.38	5.09	1.09	27.95	16.52	4.59
16400	14.14	32.84	10.04	18.60	5.02	1.08	27.91	16.24	4.73
16600	14.12	32.58	10.29	18.77	4.87	1.08	28.10	16.29	4.77
16800	14.12	32.40	10.59	18.92	4.76	1.07	27.69	16.14	4.86
17000	14.15	32.13	10.90	18.75	4.60	1.06	28.45	15.89	4.88
17200	14.19	31.90	11.11	18.36	4.46	1.06	27.40	16.04	5.07
17400	14.24	31.76	11.18	17.38	4.35	1.05	27.05	15.71	5.12
17600	14.31	31.68	11.07	16.16	4.27	1.04	26.88	15.72	5.29
17800	14.40	31.54	10.65	14.69	4.14	1.03	26.76	15.44	5.28
18000	14.49	31.55	10.17	13.63	4.11	1.03	26.76	15.59	5.55

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 = 96mA @ Temperature = +100°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)
500	13.78	62.75	11.95	39.37	119.32	1.06	32.18	19.64	5.56
1200	14.48	58.39	17.54	28.13	72.02	1.02	32.84	19.59	4.87
1900	15.36	50.63	13.46	25.54	27.11	1.04	33.46	19.87	4.12
2600	13.39	49.49	8.05	22.78	26.00	1.15	33.74	20.33	4.50
3300	12.65	51.85	8.99	23.54	40.03	1.12	32.95	19.90	5.07
4000	12.90	50.03	10.33	24.87	33.59	1.09	33.93	19.71	4.79
5000	13.28	46.30	12.04	27.28	22.25	1.06	33.41	19.82	3.85
5500	13.47	44.80	12.94	29.97	18.79	1.05	34.58	20.05	3.54
6000	13.66	44.25	13.75	37.59	17.70	1.04	33.29	20.08	3.30
6500	13.81	43.48	14.45	38.65	16.27	1.03	32.68	20.07	2.98
7000	13.90	42.78	15.04	28.43	15.05	1.03	33.26	19.74	2.73
7500	13.98	42.01	15.32	24.22	13.79	1.02	31.85	19.32	2.77
8000	14.07	41.65	15.06	21.90	13.19	1.02	31.45	19.65	2.73
8500	14.15	40.64	14.48	21.26	11.68	1.02	31.55	19.33	2.75
9000	14.24	39.87	13.84	21.98	10.63	1.03	32.12	19.23	3.00
9500	14.31	39.02	13.16	24.01	9.60	1.04	31.75	19.33	3.42
10000	14.36	38.22	12.44	25.81	8.71	1.05	31.14	18.71	3.50
10500	14.44	37.64	11.71	24.05	8.08	1.06	30.81	18.65	3.86
11000	14.50	37.17	10.97	20.50	7.60	1.06	31.25	18.60	4.06
11500	14.55	36.67	10.29	17.79	7.12	1.07	30.40	18.42	4.24
12000	14.58	36.30	9.83	15.84	6.79	1.07	30.93	18.12	4.13
12500	14.63	35.96	9.66	14.56	6.53	1.06	30.83	18.43	4.15
13000	14.71	35.70	9.65	14.05	6.40	1.06	31.51	18.64	4.39
13500	14.76	35.43	9.63	14.19	6.28	1.06	31.43	18.58	4.43
14000	14.79	35.13	9.58	14.83	6.15	1.07	30.99	18.58	4.34
14500	14.80	34.65	9.50	15.89	5.93	1.08	30.90	18.08	4.39
15000	14.76	34.41	9.39	16.91	5.86	1.09	30.68	17.55	4.39
16000	14.63	33.59	9.59	17.84	5.44	1.09	29.94	16.89	4.77
16200	14.62	33.48	9.80	18.01	5.39	1.09	29.42	16.64	4.56
16400	14.59	33.26	10.06	18.10	5.28	1.08	28.49	16.36	4.64
16600	14.59	33.05	10.30	18.12	5.15	1.08	27.88	16.40	4.70
16800	14.60	32.90	10.62	18.15	5.06	1.07	28.19	16.25	4.76
17000	14.62	32.68	10.90	17.92	4.92	1.06	27.72	16.08	4.94
17200	14.66	32.55	11.10	17.55	4.83	1.05	27.64	15.95	5.10
17400	14.73	32.36	11.13	16.72	4.69	1.05	27.20	15.78	5.09
17600	14.81	32.32	11.00	15.75	4.63	1.04	27.05	15.72	5.37
17800	14.92	32.27	10.54	14.47	4.54	1.03	26.15	15.61	5.41
18000	15.05	32.10	10.06	13.57	4.42	1.03	26.57	15.74	5.55