

## 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 = 2.3V, Id = 48mA @ 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)
6000	25.01	64.83	10.16	10.82	43.60	1.01	22.88	8.90	1.45
6200	24.91	63.72	10.26	11.18	39.32	1.01	24.28	8.84	1.45
6400	24.83	62.65	10.41	11.58	35.55	1.02	23.70	8.88	1.48
6600	24.78	61.11	10.76	11.94	30.46	1.02	23.93	8.84	1.41
6800	24.72	62.21	11.21	12.38	35.51	1.01	22.62	8.78	1.44
7000	24.67	60.35	11.85	12.82	29.44	1.01	22.89	8.75	1.43
7200	24.62	60.79	12.42	13.26	31.75	1.01	22.79	8.63	1.39
7400	24.58	59.72	13.11	13.61	28.68	1.00	22.74	8.51	1.42
7600	24.52	58.84	13.80	13.98	26.50	1.00	23.89	8.47	1.42
7800	24.45	58.45	14.42	14.27	25.91	1.00	24.08	8.43	1.40
8000	24.37	58.32	14.96	14.47	26.04	1.00	23.37	8.43	1.38
8200	24.27	58.37	15.31	14.58	26.67	0.99	22.63	8.08	1.44
8400	24.19	57.81	15.64	14.63	25.43	0.99	23.19	7.99	1.34
8600	24.08	57.72	15.72	14.62	25.57	0.99	23.13	7.74	1.41
8800	23.99	57.98	15.80	14.60	26.75	0.99	24.31	7.50	1.41
9000	23.90	57.48	15.68	14.72	25.60	0.99	26.37	7.28	1.44
9200	23.79	57.90	15.26	14.78	27.19	0.99	26.88	7.11	1.49
9400	23.71	57.18	15.08	15.00	25.34	1.00	25.73	6.81	1.50
9600	23.64	57.58	14.55	15.34	26.79	1.00	23.81	6.73	1.45
9800	23.59	57.32	14.14	15.89	26.22	1.01	22.36	6.56	1.52
10000	23.55	57.59	13.71	16.50	27.24	1.02	22.10	6.64	1.52
10200	23.52	57.25	13.24	17.34	26.32	1.03	22.95	6.68	1.55
10400	23.50	57.18	12.90	18.37	26.25	1.04	24.49	6.70	1.49
10600	23.50	57.23	12.63	19.67	26.48	1.04	23.74	6.83	1.53
10800	23.53	56.96	12.60	20.94	25.76	1.05	24.17	6.95	1.46
11000	23.56	57.43	12.52	22.43	27.23	1.05	23.58	6.99	1.45
11200	23.60	56.89	12.45	23.90	25.55	1.05	24.49	6.98	1.41
11400	23.65	57.80	12.83	24.91	28.43	1.05	24.41	7.02	1.39
11600	23.72	57.57	12.98	25.61	27.62	1.05	23.40	7.03	1.33
11800	23.79	57.47	13.40	25.90	27.31	1.04	24.33	7.10	1.34
12000	23.88	57.74	13.83	26.32	28.12	1.04	25.17	7.37	1.34
12200	23.96	58.03	14.25	26.92	28.98	1.04	24.91	7.40	1.29
12400	24.05	58.78	14.48	27.50	31.44	1.03	24.32	7.56	1.39
12600	24.14	58.35	14.62	28.15	29.72	1.03	24.50	7.68	1.26
12800	24.22	58.53	14.36	28.31	30.04	1.04	25.32	7.81	1.28
13000	24.30	58.99	14.00	27.42	31.36	1.04	26.12	7.86	1.34
13200	24.38	58.69	13.50	25.53	29.89	1.04	25.77	7.83	1.33
13400	24.46	59.34	12.99	23.70	31.76	1.05	24.71	7.90	1.32
13600	24.53	59.36	12.30	21.86	31.28	1.05	24.84	7.91	1.32
13800	24.61	59.68	11.87	20.44	31.92	1.06	23.16	7.99	1.32
14000	24.67	60.43	11.29	19.15	34.17	1.06	22.81	7.87	1.28
14200	24.76	59.97	11.14	18.12	31.94	1.06	24.24	8.01	1.31
14400	24.87	60.21	10.95	17.39	32.26	1.06	24.70	8.00	1.34
14600	25.01	59.69	10.92	16.91	29.93	1.06	24.82	8.32	1.39
14800	25.15	59.24	11.01	16.62	28.03	1.06	25.39	8.24	1.39
15000	25.31	59.48	11.12	16.50	28.40	1.05	24.23	8.44	1.35
15200	25.50	58.41	11.50	16.62	24.83	1.05	23.55	8.51	1.35
15400	25.69	58.21	11.80	16.94	23.95	1.04	23.05	8.76	1.37
15600	25.88	57.07	12.42	17.51	20.85	1.04	23.86	8.80	1.42
15800	26.09	57.31	13.17	18.10	21.20	1.03	25.34	8.77	1.38
16000	26.31	57.60	13.69	18.97	21.59	1.03	25.75	8.81	1.41
16200	26.54	57.69	14.54	19.80	21.50	1.02	23.85	8.94	1.46
16400	26.79	57.11	15.22	20.69	19.72	1.02	23.10	8.86	1.44
16600	27.06	57.14	15.96	21.54	19.36	1.02	21.94	9.05	1.38
16800	27.35	57.08	16.28	22.44	18.68	1.02	22.90	9.24	1.44
17000	27.64	57.65	15.96	23.90	19.33	1.02	22.42	9.02	1.44
17200	27.91	58.11	14.71	25.94	19.68	1.03	24.14	9.45	1.41
17400	28.14	58.29	13.13	27.49	19.37	1.05	25.17	9.60	1.45
17600	28.30	57.55	11.58	29.81	17.16	1.07	24.41	9.32	1.41
17800	28.37	58.04	9.92	26.77	17.44	1.10	25.11	9.41	1.47
18000	28.32	57.97	8.29	22.62	16.52	1.14	23.69	9.35	1.44

*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 = 2.6V, Id = 60mA @ 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)			(dBm)	(dBm)	(dB)
6000	26.03	65.57	11.13	10.84	43.17	0.99	25.19	9.90	1.39
6200	25.96	64.45	11.13	11.23	38.67	1.00	24.73	9.89	1.35
6400	25.91	63.33	11.20	11.65	34.59	1.00	26.35	9.89	1.35
6600	25.90	62.45	11.47	12.02	31.79	1.01	26.05	9.98	1.38
6800	25.87	62.05	11.87	12.47	30.93	1.01	26.85	9.96	1.34
7000	25.86	61.57	12.48	12.93	29.89	1.00	27.65	9.98	1.33
7200	25.85	61.40	13.01	13.38	29.83	1.00	26.71	9.92	1.34
7400	25.85	60.73	13.70	13.74	28.03	1.00	26.63	9.91	1.31
7600	25.84	59.70	14.38	14.09	25.32	1.00	25.13	9.95	1.26
7800	25.81	59.04	15.02	14.37	23.82	0.99	25.31	9.86	1.30
8000	25.77	58.78	15.60	14.56	23.46	0.99	25.28	9.91	1.33
8200	25.72	58.40	15.99	14.65	22.76	0.99	24.16	9.71	1.29
8400	25.68	57.90	16.36	14.68	21.74	0.99	23.35	9.66	1.28
8600	25.61	58.19	16.46	14.65	22.75	0.99	23.12	9.45	1.31
8800	25.55	57.92	16.56	14.61	22.28	0.99	23.49	9.24	1.26
9000	25.49	57.97	16.43	14.72	22.64	0.99	23.59	9.05	1.37
9200	25.42	57.92	15.94	14.77	22.72	0.99	23.09	8.78	1.33
9400	25.36	57.85	15.70	14.98	22.72	0.99	22.80	8.52	1.36
9600	25.31	57.76	15.04	15.31	22.64	1.00	22.70	8.45	1.35
9800	25.27	57.04	14.50	15.86	20.98	1.01	25.08	8.40	1.40
10000	25.25	57.13	13.94	16.51	21.28	1.02	24.17	8.38	1.44
10200	25.23	56.97	13.32	17.40	20.97	1.03	24.53	8.44	1.42
10400	25.23	57.38	12.85	18.52	22.02	1.04	21.77	8.45	1.40
10600	25.23	57.33	12.48	19.97	21.93	1.05	23.93	8.59	1.39
10800	25.26	57.38	12.35	21.47	22.09	1.05	23.90	8.59	1.38
11000	25.30	57.34	12.18	23.28	21.96	1.06	24.57	8.62	1.32
11200	25.34	57.30	12.04	25.12	21.79	1.06	24.06	8.63	1.27
11400	25.40	57.70	12.32	26.31	22.84	1.06	25.77	8.67	1.31
11600	25.47	57.67	12.41	26.86	22.71	1.06	24.26	8.67	1.25
11800	25.55	57.63	12.76	26.76	22.54	1.05	22.62	8.72	1.24
12000	25.64	58.07	13.12	26.80	23.65	1.05	21.85	8.89	1.25
12200	25.73	57.67	13.50	27.04	22.51	1.04	22.22	8.93	1.23
12400	25.82	58.25	13.72	27.43	23.92	1.04	23.30	9.08	1.15
12600	25.92	57.90	13.85	28.06	22.81	1.04	23.65	9.19	1.22
12800	26.01	58.39	13.61	28.61	23.90	1.04	23.89	9.33	1.22
13000	26.10	57.90	13.31	28.05	22.35	1.04	22.52	9.38	1.19
13200	26.18	59.80	12.84	26.27	27.41	1.05	22.68	9.25	1.25
13400	26.26	58.41	12.37	24.41	23.00	1.05	21.60	9.44	1.22
13600	26.34	59.40	11.72	22.42	25.32	1.06	21.64	9.45	1.20
13800	26.42	58.94	11.31	20.88	23.60	1.07	21.32	9.41	1.23
14000	26.48	59.98	10.78	19.49	26.08	1.07	22.66	9.40	1.21
14200	26.57	60.45	10.63	18.31	27.13	1.07	22.14	9.43	1.20
14400	26.67	60.32	10.46	17.50	26.27	1.07	21.84	9.54	1.25
14600	26.81	60.23	10.44	16.94	25.61	1.07	22.29	9.71	1.29
14800	26.95	60.36	10.55	16.58	25.67	1.06	23.97	9.66	1.22
15000	27.11	59.19	10.68	16.40	22.10	1.06	24.79	9.82	1.30
15200	27.29	58.42	11.07	16.47	20.05	1.05	24.32	9.92	1.26
15400	27.46	58.08	11.38	16.75	19.07	1.05	22.27	10.10	1.22
15600	27.64	57.89	12.01	17.28	18.57	1.04	22.20	10.25	1.25
15800	27.84	58.00	12.75	17.85	18.65	1.04	21.85	10.08	1.30
16000	28.04	57.69	13.28	18.71	17.79	1.03	22.23	9.98	1.27
16200	28.24	58.15	14.09	19.51	18.54	1.03	22.99	10.22	1.36
16400	28.48	57.80	14.64	20.37	17.49	1.02	22.68	10.09	1.34
16600	28.72	57.74	15.18	21.15	17.02	1.02	21.22	10.18	1.30
16800	28.98	57.96	15.17	21.97	17.01	1.02	22.86	10.43	1.36
17000	29.22	58.32	14.59	23.25	17.21	1.03	23.50	10.23	1.37
17200	29.44	58.55	13.29	24.85	17.12	1.04	23.90	10.57	1.36
17400	29.59	59.36	11.76	25.65	18.16	1.06	23.54	10.84	1.38
17600	29.67	59.24	10.37	26.79	17.40	1.09	23.63	10.47	1.37
17800	29.63	59.86	8.93	24.72	18.05	1.12	22.58	10.57	1.40
18000	29.46	60.02	7.50	21.54	17.69	1.17	21.95	10.53	1.37

*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 = 2.9V, Icc = 73mA @ 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)			(dBm)	(dBm)	(dB)
6000	26.70	66.84	12.23	10.87	47.15	0.97	24.53	10.57	1.31
6200	26.66	65.35	12.13	11.26	40.30	0.98	25.67	10.60	1.30
6400	26.63	64.53	12.10	11.69	37.13	0.99	25.41	10.70	1.26
6600	26.64	62.92	12.30	12.08	31.25	0.99	26.78	10.76	1.37
6800	26.64	61.63	12.63	12.54	27.32	1.00	26.15	10.76	1.32
7000	26.66	61.74	13.21	13.02	28.09	1.00	26.38	10.80	1.32
7200	26.68	60.63	13.70	13.47	25.01	1.00	25.53	10.79	1.29
7400	26.72	60.47	14.39	13.83	24.81	0.99	25.21	10.80	1.27
7600	26.74	60.02	15.07	14.18	23.83	0.99	23.87	10.89	1.21
7800	26.75	59.59	15.72	14.45	22.91	0.99	23.28	10.81	1.22
8000	26.75	59.45	16.34	14.64	22.78	0.99	23.83	10.89	1.24
8200	26.73	58.59	16.74	14.70	20.80	0.99	23.79	10.75	1.21
8400	26.72	58.15	17.15	14.73	19.95	0.99	23.36	10.62	1.25
8600	26.68	58.15	17.27	14.69	20.08	0.98	22.77	10.53	1.21
8800	26.66	57.98	17.41	14.64	19.83	0.98	23.18	10.25	1.26
9000	26.62	57.69	17.29	14.72	19.32	0.98	22.80	10.06	1.33
9200	26.58	57.91	16.74	14.76	19.94	0.99	22.23	9.81	1.34
9400	26.55	57.66	16.44	14.95	19.49	0.99	22.83	9.69	1.38
9600	26.52	57.42	15.68	15.28	19.04	0.99	23.48	9.55	1.34
9800	26.50	57.67	15.00	15.84	19.67	1.00	24.19	9.52	1.34
10000	26.49	57.62	14.32	16.48	19.59	1.01	22.78	9.50	1.36
10200	26.49	56.87	13.56	17.40	17.98	1.02	22.61	9.58	1.34
10400	26.49	57.04	12.97	18.56	18.33	1.03	23.26	9.60	1.35
10600	26.51	57.22	12.50	20.10	18.70	1.04	23.66	9.75	1.35
10800	26.55	57.17	12.29	21.78	18.59	1.05	23.38	9.73	1.33
11000	26.59	57.46	12.04	23.85	19.16	1.06	22.01	9.76	1.32
11200	26.64	57.70	11.85	26.00	19.61	1.06	22.71	9.79	1.25
11400	26.71	57.49	12.07	27.39	19.14	1.06	23.10	9.83	1.28
11600	26.79	57.73	12.11	27.77	19.58	1.06	23.07	9.72	1.23
11800	26.87	57.89	12.41	27.25	19.87	1.06	21.36	9.78	1.17
12000	26.97	57.46	12.74	26.97	18.85	1.05	22.76	9.94	1.19
12200	27.07	58.01	13.10	26.90	19.98	1.05	22.50	10.00	1.19
12400	27.17	58.11	13.32	27.13	20.08	1.04	24.24	10.13	1.22
12600	27.28	58.16	13.45	27.70	20.03	1.04	23.55	10.24	1.18
12800	27.38	58.50	13.24	28.36	20.60	1.05	24.17	10.30	1.20
13000	27.47	58.70	12.96	28.10	20.82	1.05	24.25	10.35	1.15
13200	27.56	59.01	12.51	26.56	21.25	1.05	23.28	10.22	1.14
13400	27.65	59.37	12.06	24.73	21.79	1.06	22.17	10.42	1.16
13600	27.73	59.52	11.42	22.71	21.74	1.07	21.32	10.44	1.19
13800	27.82	60.02	11.03	21.09	22.62	1.07	20.54	10.39	1.14
14000	27.89	59.61	10.53	19.61	21.15	1.08	23.60	10.47	1.20
14200	27.98	60.18	10.40	18.38	22.25	1.08	25.10	10.49	1.18
14400	28.08	59.78	10.24	17.50	20.89	1.08	26.33	10.54	1.26
14600	28.22	59.68	10.24	16.88	20.31	1.07	25.08	10.68	1.22
14800	28.36	59.89	10.37	16.48	20.57	1.07	23.40	10.74	1.17
15000	28.52	59.27	10.53	16.27	18.90	1.06	23.65	10.78	1.24
15200	28.69	58.96	10.96	16.31	18.10	1.06	24.75	10.99	1.23
15400	28.87	58.38	11.30	16.58	16.75	1.05	25.87	10.96	1.19
15600	29.03	58.06	11.95	17.10	16.11	1.04	24.21	11.22	1.32
15800	29.21	58.18	12.72	17.67	16.24	1.04	24.35	10.92	1.28
16000	29.39	58.18	13.24	18.51	16.08	1.03	25.71	10.85	1.38
16200	29.58	57.94	14.00	19.31	15.51	1.03	25.32	11.12	1.23
16400	29.78	58.22	14.32	20.14	15.75	1.03	25.22	10.94	1.27
16600	29.99	58.25	14.53	20.90	15.51	1.03	23.67	11.09	1.29
16800	30.20	59.02	14.05	21.65	16.52	1.03	23.43	11.32	1.33
17000	30.39	59.09	13.15	22.82	16.21	1.04	23.53	11.13	1.38
17200	30.53	58.63	11.78	24.10	14.93	1.06	22.52	11.39	1.37
17400	30.59	59.81	10.32	24.53	16.57	1.09	22.71	11.68	1.38
17600	30.55	60.52	9.11	25.06	17.55	1.12	22.52	11.31	1.36
17800	30.40	62.33	7.88	23.33	21.05	1.16	21.73	11.39	1.38
18000	30.12	60.57	6.70	20.69	16.69	1.20	20.99	11.36	1.38

*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 = 2.3V, Id = 46mA @ 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)
6000	26.33	66.50	9.37	10.48	43.73	1.02	25.76	8.95	0.88
6200	26.22	65.10	9.44	10.85	38.15	1.02	26.26	8.87	0.96
6400	26.14	63.36	9.57	11.29	31.98	1.03	25.65	8.83	0.92
6600	26.11	62.42	9.88	11.69	29.34	1.03	26.78	8.77	0.92
6800	26.06	62.27	10.28	12.16	29.62	1.03	26.60	8.73	0.94
7000	26.03	61.47	10.85	12.66	27.75	1.03	24.69	8.71	0.89
7200	26.00	61.45	11.37	13.13	28.32	1.02	24.01	8.57	0.86
7400	25.98	60.81	11.98	13.49	26.87	1.02	22.54	8.46	0.87
7600	25.93	59.83	12.59	13.84	24.53	1.01	21.81	8.34	0.87
7800	25.88	59.50	13.15	14.07	24.12	1.01	24.46	8.21	0.85
8000	25.81	59.68	13.68	14.24	25.11	1.00	23.98	8.19	0.82
8200	25.74	58.78	14.09	14.37	23.04	1.00	23.41	7.83	0.84
8400	25.66	58.54	14.45	14.42	22.79	1.00	21.75	7.75	0.85
8600	25.58	57.74	14.64	14.45	21.11	1.00	21.65	7.50	0.84
8800	25.50	58.33	14.81	14.55	22.91	1.00	21.52	7.16	0.84
9000	25.42	58.02	14.80	14.72	22.43	1.00	22.11	7.06	0.86
9200	25.32	58.41	14.55	14.86	23.74	1.00	21.33	6.78	0.87
9400	25.25	57.98	14.47	15.10	22.87	1.00	22.39	6.48	0.90
9600	25.17	58.23	14.07	15.45	23.76	1.01	20.55	6.29	0.86
9800	25.11	57.78	13.73	15.93	22.79	1.01	20.19	6.21	0.94
10000	25.07	57.49	13.33	16.55	22.19	1.02	19.88	6.19	0.88
10200	25.03	57.50	12.87	17.39	22.33	1.03	20.61	6.20	0.91
10400	25.01	57.77	12.55	18.45	23.15	1.04	20.06	6.31	0.89
10600	25.00	57.22	12.24	19.93	21.82	1.05	20.38	6.34	0.86
10800	25.02	58.08	12.11	21.60	24.13	1.05	21.15	6.47	0.85
11000	25.04	57.88	12.01	23.78	23.63	1.06	21.49	6.52	0.82
11200	25.08	57.71	11.94	26.19	23.14	1.06	21.26	6.49	0.87
11400	25.13	58.14	12.22	27.70	24.37	1.06	20.03	6.64	0.78
11600	25.19	57.88	12.31	28.13	23.58	1.06	19.75	6.64	0.74
11800	25.25	57.81	12.65	27.42	23.40	1.05	19.53	6.70	0.74
12000	25.33	58.26	12.97	26.88	24.58	1.05	19.78	6.86	0.73
12200	25.40	58.57	13.30	26.53	25.41	1.04	20.27	6.87	0.70
12400	25.48	58.24	13.47	26.24	24.35	1.04	21.09	7.02	0.73
12600	25.56	58.67	13.62	26.31	25.44	1.04	21.53	7.14	0.68
12800	25.64	58.89	13.49	26.75	25.87	1.04	22.00	7.29	0.72
13000	25.71	58.54	13.32	26.52	24.65	1.04	21.06	7.45	0.70
13200	25.79	58.70	12.97	25.57	24.79	1.05	20.97	7.32	0.71
13400	25.87	59.68	12.63	24.33	27.39	1.05	21.33	7.40	0.68
13600	25.94	59.71	12.06	22.75	27.08	1.06	23.27	7.50	0.74
13800	26.03	59.58	11.69	21.42	26.25	1.06	23.62	7.47	0.66
14000	26.09	59.79	11.15	20.11	26.42	1.07	23.43	7.45	0.67
14200	26.17	60.61	10.95	18.97	28.62	1.07	21.96	7.60	0.73
14400	26.26	59.56	10.67	18.21	24.93	1.07	22.91	7.55	0.76
14600	26.38	59.30	10.52	17.59	23.81	1.07	22.96	7.85	0.67
14800	26.49	58.85	10.44	17.07	22.29	1.07	22.25	7.65	0.70
15000	26.61	59.12	10.34	16.69	22.62	1.07	22.56	7.95	0.69
15200	26.76	58.37	10.50	16.44	20.50	1.07	23.22	7.99	0.70
15400	26.90	57.99	10.54	16.41	19.33	1.06	24.36	8.34	0.71
15600	27.04	57.73	10.88	16.49	18.65	1.06	23.35	8.32	0.70
15800	27.21	57.36	11.46	16.61	17.75	1.05	23.15	8.40	0.75
16000	27.41	56.79	12.03	17.12	16.45	1.04	25.52	8.46	0.77
16200	27.62	57.25	12.90	17.71	17.20	1.03	26.05	8.57	0.71
16400	27.87	57.58	13.78	18.47	17.62	1.03	23.85	8.49	0.77
16600	28.14	57.83	14.81	19.24	17.81	1.02	22.49	8.61	0.77
16800	28.44	57.75	15.80	20.25	17.25	1.02	21.79	8.87	0.80
17000	28.74	57.80	16.45	21.62	16.89	1.01	21.65	8.49	0.71
17200	29.07	58.31	16.02	23.04	17.29	1.02	22.20	9.02	0.88
17400	29.37	58.28	15.32	23.72	16.64	1.02	23.57	9.18	0.75
17600	29.66	58.18	14.34	25.69	15.89	1.03	24.72	8.96	0.76
17800	29.90	58.27	12.86	27.27	15.44	1.05	24.48	9.04	0.74
18000	30.07	57.68	10.97	24.73	13.78	1.07	24.93	9.02	0.70

*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 = 2.6V, Id = 59mA @ 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)			(dBm)	(dBm)	(dB)
6000	27.34	67.02	10.09	10.48	42.13	1.00	25.95	9.80	0.87
6200	27.26	66.88	10.07	10.87	42.28	1.01	25.86	9.69	0.88
6400	27.21	66.07	10.12	11.33	39.30	1.02	25.62	9.75	0.95
6600	27.20	63.70	10.35	11.75	30.36	1.02	25.29	9.85	0.86
6800	27.19	63.60	10.68	12.24	30.63	1.02	25.59	9.84	0.87
7000	27.19	62.40	11.20	12.76	27.24	1.02	26.29	9.85	0.84
7200	27.21	62.36	11.67	13.24	27.58	1.02	25.74	9.80	0.84
7400	27.23	61.23	12.24	13.60	24.55	1.01	23.78	9.73	0.81
7600	27.24	60.33	12.81	13.94	22.47	1.01	22.73	9.77	0.78
7800	27.23	59.37	13.37	14.15	20.40	1.01	23.12	9.68	0.78
8000	27.21	59.91	13.90	14.32	22.00	1.00	23.30	9.71	0.78
8200	27.19	59.30	14.32	14.42	20.74	1.00	24.02	9.44	0.83
8400	27.16	59.15	14.70	14.45	20.61	1.00	23.55	9.40	0.78
8600	27.11	58.79	14.91	14.46	19.99	1.00	22.66	9.21	0.81
8800	27.08	58.76	15.09	14.53	20.11	0.99	21.65	9.02	0.76
9000	27.03	58.30	15.10	14.67	19.26	1.00	21.31	8.85	0.80
9200	26.97	58.25	14.83	14.78	19.30	1.00	21.42	8.47	0.83
9400	26.93	58.06	14.74	15.00	19.05	1.00	21.49	8.30	0.82
9600	26.88	58.19	14.30	15.32	19.47	1.01	20.71	8.03	0.86
9800	26.84	57.82	13.88	15.77	18.79	1.01	19.92	7.97	0.83
10000	26.81	57.68	13.41	16.40	18.55	1.02	20.65	7.94	0.90
10200	26.79	57.60	12.85	17.22	18.43	1.03	20.53	7.97	0.83
10400	26.78	57.96	12.44	18.33	19.28	1.04	20.26	7.98	0.87
10600	26.78	57.59	12.04	19.89	18.50	1.05	19.92	8.13	0.85
10800	26.81	57.87	11.83	21.82	19.12	1.06	20.68	8.25	0.82
11000	26.83	57.88	11.64	24.44	19.13	1.06	21.04	8.20	0.81
11200	26.88	57.57	11.52	27.75	18.42	1.07	21.10	8.18	0.77
11400	26.93	58.03	11.72	30.49	19.43	1.07	21.07	8.31	0.76
11600	26.99	57.55	11.75	30.84	18.32	1.07	20.83	8.30	0.67
11800	27.06	58.48	12.01	28.93	20.35	1.06	21.09	8.35	0.68
12000	27.14	57.56	12.28	27.47	18.25	1.06	20.59	8.50	0.72
12200	27.21	58.48	12.54	26.53	20.22	1.05	21.16	8.53	0.74
12400	27.29	58.45	12.68	25.98	20.06	1.05	21.34	8.67	0.67
12600	27.37	58.57	12.80	25.87	20.23	1.05	22.54	8.68	0.67
12800	27.45	58.79	12.67	26.32	20.56	1.05	23.53	8.82	0.64
13000	27.53	58.79	12.52	26.34	20.38	1.05	23.72	8.88	0.72
13200	27.61	59.18	12.20	25.75	21.04	1.06	22.78	8.84	0.64
13400	27.69	59.03	11.89	24.81	20.41	1.06	22.09	8.95	0.63
13600	27.76	59.20	11.37	23.26	20.48	1.07	22.04	9.05	0.61
13800	27.85	59.55	11.01	21.89	20.96	1.07	21.86	9.00	0.62
14000	27.91	60.72	10.53	20.48	23.54	1.08	22.73	8.98	0.67
14200	27.98	60.53	10.35	19.26	22.73	1.08	23.43	9.02	0.66
14400	28.07	59.68	10.08	18.40	20.28	1.08	22.55	9.10	0.63
14600	28.18	59.94	9.94	17.71	20.53	1.08	22.11	9.25	0.69
14800	28.29	59.05	9.86	17.13	18.28	1.08	21.49	9.26	0.63
15000	28.40	58.87	9.77	16.71	17.64	1.08	23.12	9.43	0.72
15200	28.54	58.94	9.93	16.42	17.59	1.08	23.10	9.49	0.64
15400	28.66	58.00	9.97	16.35	15.58	1.08	24.52	9.68	0.74
15600	28.79	57.98	10.32	16.40	15.48	1.07	23.59	9.78	0.69
15800	28.94	58.06	10.92	16.50	15.59	1.06	24.50	9.61	0.75
16000	29.13	57.61	11.51	16.97	14.71	1.05	23.01	9.61	0.70
16200	29.33	57.57	12.39	17.51	14.56	1.04	23.79	9.75	0.68
16400	29.56	57.72	13.25	18.20	14.64	1.03	22.02	9.70	0.73
16600	29.81	58.04	14.19	18.86	14.96	1.02	24.23	9.83	0.74
16800	30.09	58.07	15.00	19.81	14.71	1.02	24.36	9.98	0.72
17000	30.37	59.06	15.42	21.04	16.08	1.02	25.51	9.82	0.78
17200	30.67	58.66	14.83	22.21	14.85	1.03	26.23	10.15	0.71
17400	30.93	58.70	14.03	22.70	14.44	1.03	25.92	10.38	0.75
17600	31.16	58.58	13.14	24.09	13.81	1.04	25.12	10.10	0.74
17800	31.34	60.27	11.80	24.59	16.20	1.06	25.30	10.18	0.73
18000	31.43	60.44	10.10	22.51	15.85	1.09	25.01	10.23	0.74

*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 = 2.9V, Id = 72mA @ 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)			(dBm)	(dBm)	(dB)
6000	27.98	68.99	11.00	10.49	50.12	0.98	25.48	10.43	0.86
6200	27.92	67.01	10.89	10.90	40.58	0.99	25.48	10.44	0.89
6400	27.88	65.10	10.85	11.37	33.05	1.01	26.26	10.52	0.86
6600	27.90	63.87	11.01	11.80	29.02	1.01	27.70	10.57	0.87
6800	27.91	63.49	11.28	12.31	28.19	1.01	27.69	10.58	0.86
7000	27.94	62.44	11.75	12.84	25.38	1.01	27.41	10.62	0.81
7200	27.98	62.05	12.17	13.33	24.56	1.01	26.24	10.61	0.82
7400	28.04	61.30	12.72	13.70	22.74	1.01	25.27	10.55	0.70
7600	28.08	61.30	13.26	14.03	22.94	1.01	23.76	10.64	0.82
7800	28.11	59.82	13.81	14.24	19.51	1.00	22.79	10.58	0.75
8000	28.13	59.37	14.36	14.41	18.69	1.00	22.72	10.64	0.68
8200	28.14	59.23	14.79	14.49	18.53	1.00	23.11	10.52	0.71
8400	28.15	59.09	15.19	14.51	18.33	0.99	23.46	10.41	0.74
8600	28.14	58.67	15.42	14.51	17.57	0.99	22.94	10.26	0.80
8800	28.14	58.52	15.64	14.56	17.39	0.99	23.45	10.11	0.74
9000	28.13	58.65	15.67	14.68	17.75	0.99	23.50	9.95	0.79
9200	28.10	58.57	15.39	14.76	17.67	0.99	23.17	9.59	0.80
9400	28.08	58.50	15.28	14.95	17.62	1.00	22.32	9.36	0.81
9600	28.06	57.81	14.80	15.24	16.34	1.00	21.29	9.21	0.82
9800	28.04	57.85	14.30	15.67	16.46	1.01	21.58	9.17	0.83
10000	28.04	57.88	13.75	16.27	16.54	1.02	22.23	9.15	0.79
10200	28.03	57.85	13.06	17.09	16.48	1.03	21.74	9.10	0.82
10400	28.03	57.25	12.55	18.18	15.41	1.04	21.14	9.11	0.78
10600	28.05	57.73	12.08	19.76	16.27	1.05	21.50	9.27	0.83
10800	28.08	57.71	11.78	21.77	16.21	1.06	21.34	9.38	0.81
11000	28.11	57.95	11.50	24.56	16.61	1.07	21.32	9.34	0.79
11200	28.16	57.50	11.33	28.41	15.71	1.07	21.24	9.33	0.76
11400	28.22	57.74	11.46	32.37	16.14	1.07	22.83	9.46	0.74
11600	28.29	58.01	11.44	32.78	16.56	1.07	22.71	9.44	0.74
11800	28.36	57.80	11.64	29.70	16.12	1.07	23.00	9.39	0.67
12000	28.45	58.22	11.86	27.67	16.85	1.06	21.48	9.54	0.67
12200	28.52	58.04	12.09	26.34	16.43	1.06	23.30	9.58	0.65
12400	28.61	58.16	12.21	25.65	16.55	1.06	22.96	9.71	0.64
12600	28.70	58.34	12.32	25.45	16.80	1.05	23.87	9.73	0.60
12800	28.79	58.79	12.19	25.85	17.50	1.06	23.59	9.88	0.71
13000	28.87	58.60	12.05	25.97	16.97	1.06	24.37	9.93	0.60
13200	28.96	58.76	11.73	25.59	17.04	1.06	24.89	9.89	0.65
13400	29.05	59.39	11.43	24.82	18.06	1.07	24.64	10.01	0.64
13600	29.13	59.28	10.94	23.40	17.52	1.08	25.07	10.03	0.62
13800	29.22	59.55	10.59	22.02	17.77	1.08	24.64	10.05	0.58
14000	29.28	59.87	10.14	20.61	18.07	1.09	24.19	10.05	0.61
14200	29.36	60.67	9.97	19.33	19.53	1.09	24.18	10.08	0.62
14400	29.45	59.81	9.72	18.43	17.40	1.09	23.63	10.19	0.66
14600	29.56	59.39	9.58	17.70	16.28	1.09	22.28	10.30	0.60
14800	29.67	59.92	9.52	17.11	17.06	1.09	22.98	10.23	0.67
15000	29.78	58.41	9.44	16.66	14.12	1.09	23.62	10.38	0.67
15200	29.92	58.67	9.62	16.35	14.42	1.08	24.78	10.47	0.67
15400	30.04	58.07	9.67	16.27	13.30	1.08	24.27	10.52	0.65
15600	30.16	58.18	10.05	16.33	13.44	1.07	23.70	10.72	0.68
15800	30.30	57.25	10.71	16.43	12.09	1.06	24.08	10.53	0.70
16000	30.49	57.43	11.35	16.88	12.29	1.05	25.09	10.50	0.63
16200	30.66	57.88	12.26	17.39	12.91	1.04	25.52	10.65	0.67
16400	30.89	57.84	13.06	18.07	12.72	1.03	26.14	10.57	0.71
16600	31.12	58.35	13.86	18.69	13.28	1.03	25.52	10.68	0.72
16800	31.37	58.83	14.31	19.59	13.76	1.02	26.44	10.82	0.76
17000	31.63	58.93	14.30	20.74	13.59	1.03	26.53	10.78	0.70
17200	31.88	59.05	13.41	21.81	13.32	1.04	27.31	10.94	0.70
17400	32.08	59.90	12.44	22.18	14.24	1.05	28.65	11.28	0.79
17600	32.24	59.71	11.48	23.28	13.55	1.06	28.44	10.95	0.77
17800	32.33	60.02	10.26	23.32	13.62	1.09	27.79	11.03	0.73
18000	32.31	60.78	8.76	21.18	14.29	1.12	26.39	11.01	0.77

## 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 = 2.3V, Id = 49mA @ 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)			(dBm)	(dBm)	(dB)
6000	24.16	64.59	10.15	11.04	47.29	1.01	24.76	8.49	1.93
6200	24.08	63.36	10.33	11.44	42.04	1.02	23.01	8.44	1.85
6400	24.01	61.77	10.55	11.86	35.86	1.02	23.67	8.49	1.93
6600	23.96	60.84	10.95	12.23	33.00	1.02	24.42	8.45	1.91
6800	23.90	60.01	11.44	12.66	30.78	1.02	25.93	8.37	1.86
7000	23.84	60.32	12.07	13.07	32.77	1.01	25.57	8.40	1.87
7200	23.78	60.05	12.62	13.46	32.53	1.01	26.16	8.19	1.92
7400	23.72	59.29	13.24	13.77	30.45	1.00	26.13	8.14	1.87
7600	23.65	58.91	13.87	14.09	29.84	1.00	25.04	8.11	1.86
7800	23.57	58.56	14.41	14.36	29.26	1.00	24.00	7.97	1.86
8000	23.48	58.10	14.86	14.55	28.33	1.00	23.54	7.95	1.87
8200	23.38	58.26	15.14	14.64	29.39	1.00	24.70	7.69	1.81
8400	23.29	57.62	15.40	14.68	27.80	0.99	24.56	7.50	1.85
8600	23.18	57.63	15.42	14.65	28.28	0.99	23.63	7.35	1.89
8800	23.08	57.61	15.47	14.57	28.64	0.99	23.28	7.11	1.90
9000	22.97	58.08	15.29	14.64	30.66	0.99	24.09	6.89	1.94
9200	22.87	57.87	14.89	14.65	30.30	1.00	24.70	6.72	1.97
9400	22.78	57.59	14.71	14.80	29.72	1.00	24.84	6.44	1.96
9600	22.71	57.36	14.24	15.08	29.19	1.00	23.67	6.37	1.99
9800	22.66	57.28	13.90	15.57	29.22	1.01	22.92	6.32	2.03
10000	22.62	57.52	13.54	16.10	30.21	1.02	22.66	6.41	2.02
10200	22.60	57.21	13.19	16.85	29.36	1.03	25.35	6.45	2.02
10400	22.59	57.60	12.97	17.77	30.87	1.03	26.34	6.46	2.02
10600	22.59	57.56	12.79	18.90	30.87	1.04	25.62	6.48	2.03
10800	22.62	57.32	12.88	19.97	30.15	1.04	22.25	6.60	1.95
11000	22.66	57.32	12.97	21.24	30.21	1.04	21.35	6.63	1.91
11200	22.70	57.37	13.02	22.48	30.39	1.04	21.92	6.63	1.94
11400	22.76	57.54	13.57	23.44	31.12	1.04	22.43	6.67	1.88
11600	22.83	57.35	13.88	24.41	30.42	1.04	22.44	6.80	1.89
11800	22.91	57.76	14.46	25.25	31.91	1.03	22.31	6.76	1.88
12000	22.99	57.40	14.98	26.19	30.58	1.03	23.03	7.02	1.84
12200	23.07	57.98	15.42	27.40	32.60	1.03	21.62	7.05	1.83
12400	23.15	58.39	15.53	28.17	33.99	1.03	22.37	7.21	1.86
12600	23.23	58.16	15.52	28.32	32.86	1.03	23.31	7.33	1.84
12800	23.31	58.90	15.06	27.27	35.43	1.03	24.74	7.43	1.83
13000	23.38	58.79	14.48	25.58	34.58	1.03	22.83	7.47	1.88
13200	23.45	59.28	13.87	23.55	36.11	1.04	23.19	7.43	1.87
13400	23.52	59.76	13.31	21.86	37.64	1.04	22.42	7.51	1.90
13600	23.59	59.32	12.62	20.30	35.18	1.05	25.53	7.57	1.83
13800	23.66	61.25	12.21	19.14	43.27	1.05	26.09	7.54	1.78
14000	23.72	60.33	11.65	18.16	38.26	1.05	24.20	7.54	1.88
14200	23.81	60.71	11.50	17.33	39.40	1.05	23.35	7.60	1.85
14400	23.92	59.60	11.35	16.78	34.19	1.05	23.69	7.67	1.88
14600	24.06	59.74	11.36	16.43	34.21	1.05	25.03	7.87	1.87
14800	24.21	59.95	11.52	16.24	34.63	1.05	24.81	7.84	1.82
15000	24.37	59.52	11.70	16.16	32.48	1.04	23.63	8.04	1.94
15200	24.57	59.23	12.24	16.34	31.12	1.04	22.12	8.13	1.91
15400	24.76	58.43	12.68	16.75	28.00	1.03	22.77	8.36	1.84
15600	24.96	57.86	13.52	17.40	26.07	1.03	24.02	8.52	1.85
15800	25.18	57.83	14.63	18.12	25.70	1.02	24.19	8.39	1.96
16000	25.41	57.79	15.46	19.23	25.21	1.02	23.78	8.40	1.92
16200	25.64	58.06	16.60	20.45	25.63	1.01	23.89	8.56	1.94
16400	25.89	57.55	17.06	21.82	23.63	1.01	23.30	8.57	1.99
16600	26.14	57.39	17.30	23.28	22.65	1.01	23.34	8.63	2.00
16800	26.40	57.96	16.52	24.89	23.48	1.02	22.24	8.90	1.94
17000	26.64	57.78	15.36	27.14	22.29	1.03	22.39	8.74	1.96
17200	26.87	57.58	13.80	30.82	21.07	1.04	22.56	9.08	2.01
17400	27.03	57.90	12.22	33.40	21.13	1.06	22.46	9.20	1.99
17600	27.12	57.96	10.88	33.56	20.68	1.08	22.52	8.98	2.01
17800	27.12	58.72	9.50	27.13	21.85	1.11	21.96	9.01	2.09
18000	27.00	58.18	8.08	22.57	19.81	1.15	26.71	8.93	2.05

## 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 = 2.6V, Id = 61mA @ 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)			(dBm)	(dBm)	(dB)
6000	25.20	65.14	11.03	11.11	45.66	1.00	26.60	9.52	1.81
6200	25.14	63.72	11.13	11.53	39.54	1.00	24.99	9.52	1.87
6400	25.10	63.36	11.29	11.96	38.61	1.01	24.98	9.60	1.83
6600	25.08	61.68	11.64	12.35	32.39	1.01	25.03	9.61	1.76
6800	25.06	61.14	12.09	12.78	31.09	1.01	22.85	9.64	1.83
7000	25.04	60.46	12.71	13.21	29.33	1.00	24.57	9.64	1.77
7200	25.02	60.26	13.22	13.61	29.17	1.00	24.61	9.57	1.76
7400	25.00	60.62	13.85	13.90	30.88	1.00	24.86	9.46	1.79
7600	24.97	59.88	14.48	14.21	28.85	1.00	24.68	9.49	1.78
7800	24.93	59.02	15.04	14.47	26.54	1.00	24.60	9.38	1.77
8000	24.88	59.19	15.53	14.65	27.49	0.99	24.64	9.48	1.75
8200	24.83	58.55	15.83	14.73	25.90	0.99	24.47	9.29	1.78
8400	24.77	57.89	16.13	14.76	24.33	0.99	24.43	9.13	1.73
8600	24.69	58.02	16.18	14.71	25.01	0.99	24.55	8.90	1.81
8800	24.62	57.68	16.23	14.63	24.31	0.99	25.67	8.69	1.78
9000	24.54	57.77	16.04	14.68	24.84	0.99	24.97	8.58	1.85
9200	24.46	58.00	15.56	14.68	25.76	0.99	25.73	8.32	1.82
9400	24.39	58.10	15.32	14.84	26.30	0.99	25.40	8.17	1.91
9600	24.34	57.59	14.72	15.12	24.99	1.00	24.05	8.02	1.82
9800	24.30	57.50	14.27	15.62	24.91	1.01	23.24	7.98	1.92
10000	24.27	57.76	13.78	16.19	25.76	1.02	25.14	8.07	1.96
10200	24.26	57.30	13.28	16.99	24.56	1.02	26.30	8.12	1.93
10400	24.25	57.49	12.93	17.98	25.16	1.03	25.40	8.14	1.96
10600	24.26	57.22	12.65	19.23	24.46	1.04	24.81	8.27	1.84
10800	24.29	57.32	12.64	20.44	24.79	1.04	24.11	8.27	1.88
11000	24.33	57.40	12.62	21.85	25.06	1.05	24.41	8.31	1.85
11200	24.38	57.98	12.60	23.20	26.77	1.05	23.96	8.32	1.83
11400	24.44	57.67	13.05	24.20	25.91	1.05	23.43	8.36	1.81
11600	24.52	58.20	13.28	25.06	27.49	1.04	22.64	8.37	1.74
11800	24.60	58.00	13.78	25.68	26.85	1.04	22.66	8.43	1.73
12000	24.68	57.96	14.25	26.46	26.68	1.04	23.89	8.58	1.74
12200	24.77	58.04	14.65	27.52	26.82	1.03	23.01	8.63	1.74
12400	24.85	58.21	14.78	28.29	27.21	1.03	23.33	8.78	1.69
12600	24.94	58.71	14.80	28.70	28.60	1.03	22.41	8.88	1.72
12800	25.02	59.17	14.40	27.97	29.84	1.03	22.58	8.90	1.75
13000	25.10	59.21	13.89	26.32	29.65	1.04	22.16	9.03	1.78
13200	25.17	59.43	13.32	24.19	29.97	1.04	22.34	8.89	1.73
13400	25.25	59.08	12.79	22.37	28.39	1.05	23.26	8.99	1.83
13600	25.31	59.98	12.14	20.66	30.94	1.05	22.48	9.06	1.74
13800	25.39	60.34	11.75	19.42	31.76	1.06	24.58	9.01	1.72
14000	25.44	61.19	11.22	18.33	34.42	1.06	23.08	9.01	1.77
14200	25.53	60.54	11.08	17.41	31.51	1.06	22.26	9.05	1.79
14400	25.63	60.52	10.95	16.79	30.97	1.06	21.73	9.15	1.85
14600	25.76	59.37	10.96	16.37	26.74	1.06	22.62	9.30	1.83
14800	25.90	59.56	11.12	16.12	27.01	1.05	22.77	9.38	1.77
15000	26.06	59.85	11.32	16.00	27.55	1.05	24.04	9.45	1.86
15200	26.24	59.28	11.86	16.12	25.61	1.04	23.97	9.65	1.82
15400	26.43	58.64	12.32	16.50	23.53	1.04	24.06	9.65	1.83
15600	26.61	58.67	13.17	17.12	23.51	1.03	22.90	9.82	1.89
15800	26.82	58.66	14.26	17.81	23.30	1.02	22.05	9.72	1.82
16000	27.03	58.12	15.09	18.87	21.66	1.02	20.92	9.61	1.93
16200	27.24	58.20	16.16	20.03	21.60	1.01	21.92	9.86	1.94
16400	27.46	58.80	16.38	21.34	22.68	1.02	23.34	9.75	1.93
16600	27.67	58.24	16.36	22.70	20.84	1.02	24.10	9.87	1.94
16800	27.90	58.54	15.39	24.13	20.95	1.02	23.60	10.10	1.95
17000	28.10	59.37	14.17	26.05	22.40	1.04	23.37	9.96	1.98
17200	28.26	59.00	12.71	28.75	20.84	1.05	22.98	10.23	2.00
17400	28.35	59.71	11.24	29.83	21.97	1.07	23.93	10.43	1.94
17600	28.37	60.20	10.04	30.16	22.71	1.10	22.52	10.15	1.99
17800	28.28	59.89	8.80	26.19	21.40	1.13	21.63	10.20	2.01
18000	28.07	59.82	7.54	22.28	20.64	1.17	21.90	10.12	1.97



## 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 = 2.9V, Id = 73mA @ 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)			(dBm)	(dBm)	(dB)
6000	25.92	65.74	11.94	11.16	45.81	0.98	24.88	10.24	1.78
6200	25.88	64.42	11.96	11.59	39.96	0.99	24.84	10.27	1.73
6400	25.87	63.91	12.04	12.04	38.23	1.00	25.27	10.38	1.76
6600	25.87	62.19	12.34	12.44	31.77	1.00	24.69	10.51	1.78
6800	25.87	62.45	12.76	12.88	33.26	1.00	26.06	10.48	1.75
7000	25.88	61.37	13.35	13.31	29.82	1.00	25.73	10.50	1.73
7200	25.89	61.09	13.83	13.72	29.24	1.00	24.47	10.47	1.71
7400	25.91	60.78	14.46	14.00	28.52	1.00	23.82	10.38	1.66
7600	25.91	60.41	15.08	14.31	27.68	0.99	24.37	10.54	1.71
7800	25.91	59.41	15.66	14.56	24.96	0.99	23.81	10.44	1.71
8000	25.89	59.51	16.17	14.74	25.52	0.99	22.14	10.48	1.71
8200	25.86	58.17	16.50	14.80	22.09	0.99	22.43	10.33	1.75
8400	25.83	58.24	16.83	14.83	22.50	0.99	23.41	10.18	1.74
8600	25.78	58.34	16.89	14.77	22.95	0.99	24.94	9.97	1.73
8800	25.74	58.15	16.97	14.67	22.65	0.98	24.46	9.68	1.74
9000	25.69	57.94	16.76	14.72	22.31	0.99	24.08	9.59	1.81
9200	25.63	57.91	16.22	14.70	22.37	0.99	24.57	9.35	1.77
9400	25.58	57.95	15.93	14.84	22.64	0.99	24.56	9.24	1.81
9600	25.54	57.82	15.23	15.13	22.42	1.00	23.50	9.20	1.84
9800	25.52	58.18	14.66	15.63	23.49	1.00	23.16	9.18	1.88
10000	25.51	57.47	14.06	16.22	21.71	1.01	23.58	9.17	1.86
10200	25.50	57.69	13.43	17.04	22.31	1.02	23.32	9.24	1.82
10400	25.50	57.74	12.98	18.09	22.47	1.03	24.53	9.26	1.76
10600	25.52	56.97	12.62	19.42	20.58	1.04	23.31	9.40	1.86
10800	25.55	57.44	12.52	20.74	21.73	1.05	22.65	9.40	1.82
11000	25.60	57.78	12.42	22.28	22.59	1.05	21.73	9.43	1.80
11200	25.65	57.55	12.36	23.74	21.94	1.05	22.36	9.45	1.76
11400	25.72	57.48	12.74	24.74	21.80	1.05	22.23	9.49	1.74
11600	25.80	57.71	12.92	25.50	22.34	1.05	25.12	9.49	1.74
11800	25.88	58.32	13.37	25.94	23.94	1.04	24.16	9.46	1.72
12000	25.97	57.92	13.81	26.56	22.79	1.04	25.54	9.61	1.69
12200	26.07	58.39	14.20	27.43	23.97	1.04	20.79	9.76	1.64
12400	26.16	58.18	14.34	28.13	23.25	1.03	21.28	9.81	1.61
12600	26.26	58.25	14.37	28.67	23.25	1.03	21.82	9.92	1.68
12800	26.34	59.78	14.01	28.22	27.41	1.04	21.75	10.03	1.63
13000	26.42	59.27	13.54	26.74	25.54	1.04	21.19	10.07	1.70
13200	26.50	59.34	13.00	24.56	25.38	1.05	20.98	9.93	1.67
13400	26.58	59.06	12.48	22.66	24.18	1.05	20.09	10.13	1.71
13600	26.65	60.60	11.85	20.87	28.38	1.06	21.32	10.12	1.68
13800	26.72	60.04	11.48	19.53	26.18	1.06	21.43	10.05	1.75
14000	26.78	60.71	10.98	18.40	27.81	1.06	22.32	10.06	1.74
14200	26.86	60.46	10.85	17.42	26.65	1.06	21.70	10.09	1.73
14400	26.96	61.47	10.74	16.74	29.47	1.06	20.97	10.20	1.72
14600	27.09	60.17	10.76	16.28	25.02	1.06	20.40	10.33	1.75
14800	27.23	59.99	10.95	15.99	24.24	1.05	20.40	10.41	1.77
15000	27.39	59.41	11.18	15.84	22.40	1.05	21.79	10.46	1.79
15200	27.56	59.26	11.75	15.95	21.88	1.04	23.42	10.59	1.76
15400	27.74	58.81	12.23	16.29	20.58	1.04	24.66	10.64	1.78
15600	27.91	58.30	13.12	16.91	19.39	1.03	24.19	10.83	1.73
15800	28.10	58.93	14.23	17.57	20.72	1.02	24.18	10.62	1.83
16000	28.29	58.34	15.04	18.60	19.20	1.02	23.29	10.55	1.81
16200	28.47	58.70	15.96	19.74	19.82	1.01	23.01	10.80	1.85
16400	28.66	58.69	15.87	20.98	19.43	1.02	21.89	10.65	1.87
16600	28.84	58.91	15.49	22.27	19.56	1.02	22.26	10.82	1.86
16800	29.03	59.48	14.30	23.55	20.33	1.03	21.69	10.95	1.88
17000	29.17	59.49	13.01	25.27	19.82	1.05	22.61	10.90	1.89
17200	29.27	60.02	11.61	27.38	20.53	1.07	22.75	11.11	1.92
17400	29.28	61.32	10.25	27.90	23.25	1.09	24.43	11.36	1.94
17600	29.21	62.44	9.18	28.08	26.03	1.12	23.41	11.02	1.94
17800	29.04	62.59	8.10	25.29	26.02	1.15	22.97	11.00	1.97
18000	28.75	62.36	7.00	21.89	24.85	1.19	22.25	10.93	1.95