

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 = 49mA @ 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)
4000	13.10	22.68	9.59	11.35	1.39	0.93	31.10	16.03	2.74
4200	13.24	22.49	10.14	13.07	1.39	0.94	30.81	16.23	2.71
4400	13.32	22.34	10.53	14.81	1.39	0.95	30.55	16.35	2.67
4600	13.36	22.24	10.79	16.42	1.39	0.96	30.11	16.43	2.65
4800	13.38	22.16	10.98	17.83	1.39	0.95	29.92	16.45	2.64
5000	13.39	22.09	11.14	18.85	1.39	0.95	29.62	16.45	2.59
5200	13.38	22.06	11.32	19.59	1.40	0.95	29.46	16.40	2.57
5400	13.37	22.01	11.50	20.00	1.40	0.94	29.08	16.44	2.57
5600	13.35	21.98	11.72	20.20	1.41	0.94	29.24	16.36	2.56
5800	13.31	21.96	11.95	20.25	1.42	0.93	28.94	16.30	2.51
6000	13.27	21.94	12.17	20.30	1.43	0.93	29.34	16.29	2.50
6200	13.23	21.92	12.40	20.25	1.44	0.92	28.32	16.15	2.50
6400	13.17	21.92	12.59	20.23	1.45	0.92	28.72	16.08	2.48
6600	13.11	21.92	12.75	20.19	1.46	0.92	28.55	15.95	2.51
6800	13.05	21.91	12.86	20.07	1.47	0.92	28.44	16.08	2.50
7000	12.98	21.91	12.90	19.98	1.48	0.92	28.58	15.81	2.55
7200	12.91	21.93	12.89	19.80	1.50	0.92	28.85	15.98	2.51
7400	12.84	21.93	12.80	19.60	1.51	0.92	28.76	15.74	2.49
7600	12.76	21.94	12.69	19.32	1.52	0.92	28.86	15.66	2.50
7800	12.69	21.95	12.55	18.98	1.53	0.92	28.98	15.70	2.51
8000	12.62	21.98	12.36	18.60	1.54	0.93	29.06	15.75	2.55
9000	12.23	22.03	11.67	17.01	1.59	0.93	27.48	14.92	2.48
10000	11.79	22.17	11.45	15.55	1.66	0.94	26.60	14.53	2.49
11000	11.06	22.55	10.95	13.80	1.80	0.96	26.46	14.59	2.60
12000	10.42	22.87	10.72	15.11	1.97	1.00	25.99	14.34	2.54
13000	10.73	22.12	11.81	19.40	1.85	0.98	27.40	15.16	2.53
14000	10.95	21.44	13.85	23.11	1.75	0.94	28.15	15.88	2.44
15000	10.87	21.13	14.72	21.56	1.72	0.93	28.67	15.82	2.52
16000	10.65	21.06	13.64	17.37	1.71	0.93	28.73	15.51	2.67
17000	10.42	20.93	12.42	15.01	1.70	0.92	27.97	15.24	2.57
18000	10.21	20.76	12.55	14.68	1.71	0.91	28.71	14.53	2.50
19000	9.93	20.61	12.74	14.57	1.74	0.91	28.92	13.65	2.73
20000	9.31	20.77	10.45	12.17	1.79	0.92	28.20	12.76	3.03

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 = 47mA @ 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)
4000	13.01	22.64	9.50	11.38	1.40	0.93	30.32	15.44	2.73
4200	13.14	22.45	10.04	13.09	1.39	0.95	30.26	15.56	2.70
4400	13.22	22.32	10.41	14.81	1.39	0.96	29.83	15.68	2.69
4600	13.27	22.23	10.67	16.39	1.39	0.96	29.43	15.76	2.64
4800	13.29	22.17	10.86	17.76	1.40	0.96	29.25	15.87	2.64
5000	13.30	22.09	11.02	18.75	1.40	0.96	29.06	15.78	2.57
5200	13.29	22.05	11.20	19.44	1.41	0.95	28.73	15.82	2.57
5400	13.28	22.00	11.37	19.80	1.41	0.95	28.52	15.77	2.55
5600	13.25	21.97	11.58	20.00	1.42	0.94	28.76	15.78	2.53
5800	13.22	21.95	11.82	20.06	1.43	0.93	28.37	15.63	2.51
6000	13.18	21.91	12.05	20.09	1.44	0.93	28.73	15.63	2.48
6200	13.13	21.91	12.28	20.01	1.45	0.93	27.69	15.49	2.52
6400	13.08	21.89	12.46	19.96	1.46	0.92	28.02	15.41	2.51
6600	13.02	21.90	12.62	19.92	1.47	0.92	27.95	15.28	2.49
6800	12.96	21.89	12.73	19.81	1.48	0.92	27.70	15.31	2.49
7000	12.89	21.89	12.78	19.73	1.49	0.92	28.00	15.15	2.50
7200	12.82	21.91	12.77	19.56	1.50	0.92	28.15	15.31	2.50
7400	12.74	21.91	12.69	19.36	1.51	0.92	28.24	15.08	2.49
7600	12.67	21.93	12.58	19.10	1.53	0.93	28.18	15.10	2.51
7800	12.60	21.95	12.44	18.78	1.54	0.93	28.34	15.14	2.52
8000	12.52	21.96	12.27	18.44	1.55	0.93	28.29	15.09	2.53
9000	12.14	22.04	11.61	16.93	1.60	0.94	26.82	14.37	2.48
10000	11.69	22.13	11.40	15.48	1.67	0.94	26.05	13.86	2.47
11000	10.96	22.54	10.92	13.75	1.82	0.96	25.74	13.92	2.67
12000	10.34	22.81	10.71	15.09	1.98	1.00	25.37	13.82	2.50
13000	10.65	22.08	11.82	19.32	1.86	0.98	26.86	14.64	2.51
14000	10.87	21.41	13.85	23.01	1.76	0.95	27.67	15.35	2.43
15000	10.78	21.15	14.72	21.35	1.73	0.94	28.19	15.29	2.51
16000	10.56	21.00	13.67	17.33	1.71	0.93	28.09	15.10	2.70
17000	10.33	20.90	12.48	15.05	1.71	0.93	27.56	14.83	2.61
18000	10.12	20.70	12.62	14.77	1.72	0.92	28.38	14.11	2.50
19000	9.85	20.58	12.82	14.70	1.75	0.92	28.39	13.25	2.70
20000	9.23	20.70	10.53	12.31	1.79	0.92	27.86	12.38	2.99

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 = 52mA @ 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)
4000	13.18	22.65	9.66	11.34	1.38	0.92	31.60	16.73	2.79
4200	13.32	22.47	10.24	13.08	1.38	0.94	31.52	16.85	2.72
4400	13.40	22.34	10.63	14.84	1.38	0.95	31.18	16.98	2.73
4600	13.44	22.24	10.90	16.48	1.38	0.95	30.70	16.98	2.69
4800	13.47	22.17	11.10	17.93	1.39	0.95	30.43	17.08	2.70
5000	13.47	22.11	11.25	18.99	1.39	0.95	30.07	17.08	2.62
5200	13.47	22.08	11.43	19.76	1.40	0.94	30.02	17.03	2.59
5400	13.45	22.03	11.61	20.19	1.40	0.94	29.71	17.07	2.57
5600	13.43	21.98	11.82	20.42	1.41	0.93	29.74	16.99	2.56
5800	13.40	21.97	12.06	20.48	1.42	0.93	29.59	16.84	2.56
6000	13.35	21.96	12.28	20.52	1.43	0.92	29.94	16.83	2.53
6200	13.31	21.92	12.51	20.47	1.43	0.92	28.98	16.68	2.53
6400	13.25	21.92	12.69	20.44	1.44	0.92	29.33	16.60	2.52
6600	13.20	21.92	12.85	20.41	1.46	0.92	29.10	16.47	2.53
6800	13.13	21.92	12.96	20.29	1.47	0.91	28.86	16.50	2.54
7000	13.07	21.94	13.00	20.18	1.48	0.92	29.19	16.22	2.54
7200	12.99	21.93	12.98	19.99	1.49	0.92	29.25	16.50	2.54
7400	12.92	21.95	12.89	19.77	1.50	0.92	29.43	16.26	2.54
7600	12.85	21.96	12.78	19.49	1.51	0.92	29.44	16.29	2.53
7800	12.77	21.99	12.62	19.13	1.52	0.92	29.65	16.33	2.56
8000	12.70	22.00	12.44	18.73	1.53	0.92	29.49	16.38	2.58
9000	12.32	22.08	11.72	17.07	1.59	0.93	28.16	15.43	2.51
10000	11.87	22.18	11.47	15.60	1.65	0.94	27.22	15.15	2.55
11000	11.14	22.61	10.96	13.83	1.80	0.95	27.05	15.09	2.64
12000	10.48	22.89	10.70	15.11	1.96	1.00	26.42	14.72	2.53
13000	10.79	22.20	11.80	19.44	1.86	0.98	27.93	15.65	2.54
14000	11.03	21.48	13.83	23.11	1.74	0.94	28.73	16.38	2.44
15000	10.95	21.20	14.69	21.66	1.71	0.93	29.16	16.30	2.54
16000	10.73	21.10	13.59	17.40	1.70	0.93	29.58	15.98	2.70
17000	10.49	20.99	12.36	14.94	1.70	0.92	28.78	15.70	2.59
18000	10.28	20.81	12.47	14.56	1.71	0.91	29.12	14.98	2.52
19000	10.00	20.67	12.64	14.43	1.73	0.91	29.52	14.09	2.76
20000	9.37	20.83	10.38	12.04	1.79	0.92	29.05	13.10	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 = 5.00V, Id = 50mA @ 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)
4000	13.35	22.88	10.03	10.90	1.40	0.90	31.68	16.23	2.22
4200	13.50	22.69	10.71	12.59	1.40	0.92	31.45	16.36	2.23
4400	13.59	22.53	11.20	14.30	1.40	0.93	31.07	16.48	2.15
4600	13.65	22.43	11.54	15.96	1.40	0.93	30.77	16.55	2.13
4800	13.67	22.35	11.79	17.44	1.40	0.93	30.37	16.58	2.09
5000	13.68	22.29	12.01	18.73	1.40	0.93	30.21	16.58	2.04
5200	13.67	22.24	12.21	19.72	1.41	0.93	29.87	16.51	2.06
5400	13.65	22.20	12.43	20.42	1.42	0.92	29.78	16.56	2.05
5600	13.62	22.18	12.66	20.91	1.42	0.92	29.63	16.46	2.05
5800	13.58	22.15	12.88	21.23	1.43	0.92	29.47	16.31	2.02
6000	13.54	22.13	13.12	21.40	1.44	0.91	29.72	16.30	2.03
6200	13.49	22.12	13.35	21.41	1.45	0.91	28.77	16.02	2.00
6400	13.43	22.13	13.52	21.36	1.46	0.91	29.17	15.93	1.99
6600	13.38	22.11	13.63	21.24	1.47	0.91	29.08	15.81	2.02
6800	13.32	22.09	13.73	21.15	1.48	0.91	28.71	15.83	2.01
7000	13.26	22.10	13.76	21.12	1.49	0.91	29.05	15.53	2.01
7200	13.19	22.11	13.71	20.97	1.50	0.91	29.21	15.84	1.97
7400	13.14	22.10	13.57	20.71	1.50	0.91	29.19	15.49	1.97
7600	13.08	22.08	13.40	20.42	1.51	0.91	29.17	15.54	2.02
7800	13.02	22.07	13.18	20.08	1.51	0.92	29.54	15.48	1.97
8000	12.95	22.09	12.98	19.79	1.52	0.92	29.44	15.56	1.93
9000	12.58	22.16	12.03	17.94	1.57	0.93	27.87	14.67	1.93
10000	12.16	22.21	11.81	16.28	1.63	0.93	26.95	14.19	1.90
11000	11.48	22.52	11.78	14.57	1.76	0.94	27.01	14.46	1.94
12000	10.80	22.88	11.69	15.45	1.93	0.98	26.27	14.31	1.91
13000	11.01	22.29	12.54	19.70	1.84	0.97	27.62	15.30	1.84
14000	11.29	21.51	14.08	23.72	1.71	0.94	28.70	16.00	1.71
15000	11.27	21.20	14.70	21.67	1.66	0.93	29.52	16.09	1.94
16000	11.09	21.05	13.95	17.68	1.64	0.92	29.90	15.88	1.94
17000	10.91	20.90	13.05	15.59	1.63	0.91	28.92	15.75	1.88
18000	10.73	20.71	13.60	15.47	1.64	0.90	29.02	15.00	1.77
19000	10.49	20.57	14.23	15.36	1.67	0.90	30.22	14.19	2.00
20000	9.90	20.73	11.40	12.48	1.71	0.91	29.62	13.33	2.26

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 = 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)
4000	13.25	22.87	9.97	10.95	1.41	0.91	30.71	15.56	2.20
4200	13.40	22.67	10.62	12.64	1.41	0.92	30.77	15.68	2.17
4400	13.49	22.53	11.09	14.35	1.40	0.93	30.27	15.80	2.14
4600	13.55	22.43	11.42	16.00	1.41	0.94	29.79	15.87	2.12
4800	13.57	22.34	11.66	17.46	1.41	0.94	29.52	15.89	2.08
5000	13.58	22.27	11.88	18.71	1.41	0.94	29.22	15.89	2.03
5200	13.57	22.23	12.08	19.66	1.42	0.93	29.02	15.83	2.01
5400	13.55	22.19	12.29	20.30	1.42	0.93	28.86	15.87	2.04
5600	13.51	22.15	12.53	20.75	1.43	0.93	28.89	15.78	2.01
5800	13.48	22.13	12.75	21.02	1.44	0.92	28.65	15.71	2.00
6000	13.44	22.12	12.99	21.19	1.45	0.92	28.97	15.61	1.94
6200	13.39	22.12	13.20	21.17	1.46	0.92	27.97	15.33	1.98
6400	13.33	22.11	13.37	21.10	1.47	0.92	28.12	15.23	1.96
6600	13.28	22.10	13.49	20.98	1.48	0.91	28.06	15.12	1.96
6800	13.22	22.07	13.58	20.89	1.48	0.91	27.71	15.14	1.96
7000	13.15	22.07	13.62	20.83	1.49	0.91	28.18	14.95	2.00
7200	13.09	22.10	13.57	20.68	1.51	0.91	28.38	15.15	1.95
7400	13.04	22.07	13.43	20.45	1.51	0.92	28.33	14.92	1.93
7600	12.98	22.07	13.27	20.15	1.51	0.92	28.35	14.85	1.96
7800	12.92	22.07	13.06	19.84	1.52	0.92	28.39	14.90	1.94
8000	12.85	22.05	12.86	19.55	1.53	0.92	28.50	14.86	1.95
9000	12.48	22.12	11.94	17.79	1.57	0.93	26.87	13.97	1.89
10000	12.06	22.18	11.75	16.21	1.64	0.93	26.06	13.62	1.88
11000	11.38	22.50	11.75	14.51	1.77	0.94	26.19	13.89	1.94
12000	10.71	22.85	11.69	15.42	1.95	0.98	25.55	13.64	1.81
13000	10.93	22.25	12.53	19.61	1.85	0.97	26.87	14.66	1.82
14000	11.20	21.46	14.07	23.52	1.71	0.94	28.02	15.45	1.69
15000	11.18	21.18	14.71	21.49	1.67	0.93	28.46	15.55	1.95
16000	10.99	21.04	13.94	17.61	1.66	0.92	28.81	15.45	1.94
17000	10.81	20.88	13.08	15.60	1.64	0.91	28.44	15.24	1.84
18000	10.64	20.67	13.64	15.52	1.65	0.90	28.65	14.56	1.75
19000	10.40	20.53	14.30	15.44	1.67	0.90	29.61	13.77	1.96
20000	9.81	20.67	11.48	12.58	1.71	0.91	29.13	12.94	2.27

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 = 53mA @ 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)
4000	13.44	22.88	10.09	10.88	1.39	0.90	32.37	16.86	2.26
4200	13.58	22.69	10.79	12.58	1.39	0.91	31.91	16.99	2.23
4400	13.68	22.54	11.30	14.30	1.39	0.92	32.15	17.12	2.18
4600	13.73	22.43	11.64	15.98	1.39	0.93	31.42	17.19	2.15
4800	13.76	22.35	11.90	17.48	1.39	0.93	31.26	17.22	2.14
5000	13.76	22.29	12.13	18.79	1.40	0.93	31.21	17.22	2.11
5200	13.75	22.25	12.33	19.81	1.40	0.92	30.59	17.16	2.08
5400	13.73	22.21	12.54	20.55	1.41	0.92	30.63	17.21	2.09
5600	13.70	22.18	12.77	21.08	1.42	0.92	30.58	17.11	2.07
5800	13.66	22.16	13.00	21.42	1.42	0.91	30.27	17.05	2.03
6000	13.62	22.15	13.24	21.61	1.43	0.91	30.49	16.95	2.01
6200	13.57	22.14	13.46	21.62	1.44	0.91	29.60	16.68	2.02
6400	13.52	22.12	13.64	21.58	1.45	0.91	29.92	16.69	2.02
6600	13.46	22.12	13.75	21.46	1.46	0.91	29.82	16.58	1.99
6800	13.41	22.10	13.84	21.39	1.47	0.91	29.49	16.60	2.02
7000	13.34	22.12	13.88	21.35	1.48	0.91	29.70	16.30	2.01
7200	13.28	22.11	13.82	21.20	1.49	0.91	30.08	16.49	1.97
7400	13.22	22.11	13.67	20.95	1.50	0.91	29.92	16.26	2.01
7600	13.16	22.11	13.50	20.63	1.50	0.91	29.98	16.31	1.96
7800	13.10	22.09	13.28	20.26	1.51	0.91	30.11	16.36	2.00
8000	13.03	22.08	13.07	19.95	1.51	0.91	30.18	16.43	1.98
9000	12.67	22.16	12.10	17.99	1.56	0.92	28.66	15.44	1.96
10000	12.24	22.20	11.85	16.31	1.61	0.93	27.96	14.96	1.89
11000	11.57	22.53	11.81	14.61	1.75	0.94	27.96	15.23	1.99
12000	10.88	22.92	11.69	15.49	1.93	0.98	27.10	14.81	1.93
13000	11.08	22.31	12.52	19.80	1.83	0.97	28.44	15.81	1.89
14000	11.36	21.53	14.08	23.89	1.70	0.94	29.53	16.61	1.69
15000	11.35	21.25	14.70	21.82	1.66	0.93	30.39	16.59	1.95
16000	11.17	21.08	13.92	17.69	1.64	0.92	30.44	16.45	2.00
17000	10.98	20.94	13.00	15.54	1.63	0.91	29.82	16.21	1.86
18000	10.81	20.74	13.53	15.39	1.64	0.90	30.04	15.51	1.81
19000	10.57	20.58	14.16	15.24	1.66	0.89	31.14	14.63	2.03
20000	9.96	20.74	11.32	12.36	1.70	0.90	30.20	13.67	2.32

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 = 50mA @ Temperature = +85°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
4000	12.81	22.51	9.37	11.80	1.40	0.95	30.24	15.86	3.17
4200	12.93	22.33	9.85	13.61	1.40	0.97	30.07	15.96	3.16
4400	13.00	22.21	10.18	15.38	1.40	0.97	29.77	16.16	3.16
4600	13.04	22.13	10.39	16.99	1.40	0.97	29.38	16.24	3.04
4800	13.06	22.05	10.56	18.22	1.41	0.97	29.41	16.26	3.06
5000	13.06	22.00	10.72	19.10	1.41	0.97	28.94	16.26	3.02
5200	13.06	21.95	10.87	19.58	1.42	0.96	28.88	16.21	3.01
5400	13.04	21.91	11.05	19.75	1.42	0.95	28.46	16.24	2.99
5600	13.01	21.89	11.27	19.79	1.44	0.95	28.71	16.16	2.97
5800	12.97	21.88	11.48	19.82	1.45	0.94	28.48	16.01	2.94
6000	12.93	21.86	11.71	19.75	1.46	0.94	28.80	16.01	2.94
6200	12.88	21.86	11.92	19.63	1.47	0.93	27.91	15.87	2.92
6400	12.83	21.85	12.10	19.49	1.48	0.93	28.28	15.90	2.93
6600	12.77	21.82	12.22	19.32	1.49	0.93	28.08	15.67	2.96
6800	12.71	21.83	12.34	19.17	1.50	0.93	27.83	15.80	2.94
7000	12.63	21.86	12.40	19.02	1.52	0.93	28.28	15.54	2.93
7200	12.56	21.88	12.37	18.78	1.53	0.93	28.32	15.70	2.92
7400	12.49	21.89	12.25	18.48	1.54	0.93	28.36	15.58	2.93
7600	12.42	21.92	12.13	18.14	1.55	0.93	28.21	15.49	2.93
7800	12.35	21.90	11.98	17.81	1.56	0.93	28.45	15.43	2.97
8000	12.28	21.91	11.86	17.56	1.57	0.93	28.40	15.49	2.98
9000	11.90	22.04	11.35	16.46	1.63	0.94	27.09	14.89	2.92
10000	11.44	22.17	11.18	15.15	1.71	0.95	26.13	14.50	2.91
11000	10.66	22.58	10.55	13.34	1.86	0.96	26.06	14.39	3.03
12000	10.09	22.84	10.37	14.85	2.02	1.00	25.62	14.09	2.96
13000	10.41	22.12	11.34	18.30	1.90	0.99	26.98	14.91	2.89
14000	10.59	21.50	12.83	20.90	1.80	0.96	27.54	15.57	2.82
15000	10.52	21.22	13.87	20.63	1.78	0.94	28.21	15.48	3.13
16000	10.28	21.13	13.36	17.16	1.78	0.94	28.21	15.19	3.12
17000	10.02	21.02	12.17	14.62	1.77	0.93	27.55	14.80	3.00
18000	9.76	20.90	12.02	13.95	1.79	0.92	28.30	14.15	2.90
19000	9.42	20.81	11.86	13.50	1.83	0.92	27.91	13.23	3.24
20000	8.69	21.01	9.65	11.17	1.89	0.93	27.25	12.25	3.54

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 = 47mA @ 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)
4000	12.72	22.50	9.28	11.80	1.41	0.96	29.61	15.20	3.16
4200	12.84	22.31	9.76	13.61	1.40	0.97	29.48	15.38	3.15
4400	12.92	22.19	10.07	15.35	1.40	0.98	29.52	15.50	3.14
4600	12.96	22.10	10.29	16.92	1.41	0.98	28.86	15.58	3.05
4800	12.97	22.03	10.45	18.12	1.41	0.98	28.71	15.61	3.05
5000	12.98	21.98	10.61	18.95	1.42	0.97	28.49	15.60	3.03
5200	12.97	21.95	10.77	19.40	1.42	0.96	28.45	15.56	2.98
5400	12.95	21.90	10.94	19.56	1.43	0.96	28.04	15.59	2.99
5600	12.92	21.87	11.16	19.59	1.44	0.95	28.30	15.51	2.96
5800	12.89	21.86	11.37	19.59	1.45	0.95	27.96	15.46	2.93
6000	12.85	21.84	11.60	19.54	1.46	0.94	28.25	15.45	2.92
6200	12.80	21.83	11.82	19.45	1.47	0.94	27.42	15.32	2.95
6400	12.74	21.84	12.00	19.29	1.49	0.93	27.68	15.25	2.91
6600	12.69	21.82	12.12	19.12	1.49	0.93	27.60	15.12	2.93
6800	12.62	21.83	12.24	18.98	1.51	0.93	27.34	15.26	2.94
7000	12.54	21.84	12.30	18.83	1.52	0.93	27.76	15.00	2.90
7200	12.47	21.86	12.28	18.61	1.54	0.93	27.84	15.15	2.93
7400	12.40	21.87	12.17	18.32	1.55	0.93	27.94	14.93	2.90
7600	12.33	21.88	12.05	18.01	1.55	0.93	27.78	14.95	2.93
7800	12.26	21.91	11.89	17.68	1.56	0.93	28.01	14.89	2.93
8000	12.19	21.89	11.78	17.44	1.57	0.93	28.10	14.94	2.96
9000	11.81	22.00	11.30	16.41	1.63	0.94	26.65	14.24	2.92
10000	11.35	22.12	11.14	15.12	1.71	0.95	25.69	13.97	2.94
11000	10.57	22.59	10.53	13.31	1.87	0.97	25.54	13.86	3.04
12000	10.01	22.83	10.37	14.84	2.03	1.01	25.16	13.58	2.96
13000	10.34	22.06	11.34	18.27	1.90	0.99	26.58	14.40	2.93
14000	10.51	21.46	12.82	20.92	1.81	0.96	27.25	15.06	2.81
15000	10.43	21.19	13.88	20.65	1.79	0.95	27.65	14.98	3.04
16000	10.20	21.07	13.39	17.16	1.78	0.94	27.91	14.79	3.20
17000	9.94	20.99	12.22	14.67	1.78	0.93	27.22	14.49	3.00
18000	9.68	20.84	12.09	14.03	1.80	0.93	27.70	13.74	2.96
19000	9.35	20.75	11.93	13.64	1.84	0.93	27.69	12.84	3.22
20000	8.63	20.91	9.70	11.30	1.89	0.93	26.84	11.80	3.58

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 = 5.25V, Id = 53mA @ Temperature = +85°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
4000	12.88	22.51	9.44	11.81	1.40	0.95	30.45	16.39	3.20
4200	13.00	22.32	9.94	13.65	1.39	0.96	30.52	16.58	3.19
4400	13.08	22.19	10.27	15.45	1.39	0.97	30.15	16.69	3.12
4600	13.12	22.11	10.49	17.09	1.40	0.97	29.87	16.77	3.12
4800	13.14	22.05	10.65	18.36	1.40	0.97	29.73	16.79	3.05
5000	13.14	22.00	10.80	19.27	1.41	0.96	29.31	16.78	3.05
5200	13.13	21.96	10.96	19.76	1.41	0.96	29.34	16.74	3.02
5400	13.11	21.92	11.14	19.94	1.42	0.95	28.87	16.77	2.99
5600	13.08	21.91	11.36	20.00	1.43	0.94	29.04	16.77	3.00
5800	13.05	21.88	11.56	20.00	1.44	0.94	28.87	16.62	3.01
6000	13.01	21.85	11.79	19.94	1.45	0.93	29.19	16.52	2.94
6200	12.96	21.86	12.01	19.81	1.46	0.93	28.29	16.38	2.94
6400	12.90	21.84	12.18	19.66	1.47	0.93	28.56	16.40	2.94
6600	12.85	21.82	12.31	19.48	1.48	0.92	28.37	16.28	2.96
6800	12.78	21.84	12.41	19.32	1.49	0.92	28.23	16.31	2.95
7000	12.70	21.86	12.48	19.16	1.51	0.92	28.64	16.04	2.92
7200	12.63	21.90	12.44	18.90	1.53	0.93	28.76	16.20	2.94
7400	12.56	21.92	12.32	18.58	1.53	0.93	28.76	15.97	2.93
7600	12.50	21.92	12.20	18.23	1.54	0.93	28.74	16.00	2.95
7800	12.43	21.93	12.04	17.90	1.55	0.93	29.03	16.04	2.96
8000	12.35	21.92	11.90	17.63	1.56	0.93	28.93	16.10	2.93
9000	11.98	22.02	11.39	16.49	1.62	0.94	27.46	15.27	2.90
10000	11.52	22.17	11.19	15.18	1.70	0.94	26.56	14.87	2.93
11000	10.74	22.62	10.55	13.35	1.85	0.96	26.46	14.77	3.07
12000	10.15	22.92	10.34	14.84	2.02	1.00	26.05	14.56	3.00
13000	10.47	22.17	11.32	18.29	1.90	0.99	27.40	15.38	2.93
14000	10.66	21.53	12.79	20.78	1.80	0.96	28.01	15.95	2.81
15000	10.59	21.23	13.82	20.62	1.77	0.94	28.49	15.85	3.02
16000	10.36	21.14	13.29	17.11	1.77	0.94	28.70	15.45	3.11
17000	10.09	21.06	12.11	14.53	1.77	0.93	27.99	15.24	3.10
18000	9.83	20.93	11.95	13.82	1.79	0.92	28.57	14.59	3.00
19000	9.48	20.86	11.77	13.35	1.83	0.92	28.65	13.59	3.24
20000	8.74	21.04	9.58	11.03	1.89	0.93	27.69	12.59	3.57