

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, Vldj=Open, Id = 44mA @ 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)
400	24.05	28.31	8.01	9.74	1.05	0.51	31.53	17.95	0.57
600	23.74	28.21	8.83	10.09	1.07	0.53	31.60	18.03	0.52
800	23.26	28.27	9.41	9.80	1.10	0.56	31.84	18.21	0.58
1000	22.69	28.27	9.92	9.43	1.13	0.59	31.21	17.78	0.54
1200	22.08	28.26	10.42	9.06	1.16	0.61	31.39	18.23	0.55
1400	21.44	28.22	10.90	8.74	1.19	0.64	31.26	18.30	0.61
1600	20.81	28.11	11.40	8.47	1.22	0.66	31.48	18.57	0.57
1800	20.18	28.01	11.90	8.26	1.26	0.68	31.42	18.29	0.62
2000	19.55	27.83	12.48	8.10	1.29	0.69	31.53	18.37	0.55
2200	18.91	27.71	13.11	7.94	1.34	0.71	31.08	18.24	0.56
2400	18.32	27.54	13.40	7.72	1.37	0.71	31.53	18.73	0.59
2600	17.83	27.26	13.51	7.56	1.38	0.72	31.58	18.41	0.62
2800	17.34	27.05	13.64	7.49	1.40	0.73	32.08	18.57	0.69
3000	16.90	26.71	14.01	7.48	1.41	0.73	30.70	18.98	0.65
3200	16.46	26.46	14.17	7.46	1.42	0.74	31.07	18.78	0.59
3400	16.03	26.20	14.31	7.46	1.44	0.75	31.90	19.09	0.58
3600	15.60	25.94	14.37	7.46	1.45	0.76	31.08	18.86	0.59
3800	15.21	25.71	14.37	7.46	1.47	0.77	31.69	19.00	0.70
4000	14.81	25.46	14.31	7.45	1.48	0.77	31.75	19.27	0.74
4200	14.43	25.23	14.19	7.44	1.49	0.78	31.26	19.06	0.72
4400	14.07	24.99	14.02	7.39	1.50	0.78	31.86	19.21	0.74
4600	13.72	24.81	13.80	7.32	1.51	0.79	31.63	18.97	0.75
4800	13.40	24.60	13.52	7.22	1.51	0.79	31.66	18.74	0.82
5000	13.08	24.39	13.24	7.09	1.50	0.79	31.74	18.90	0.82
5200	12.76	24.19	12.97	6.97	1.50	0.79	32.20	18.84	0.85
5400	12.45	24.07	12.71	6.79	1.51	0.79	32.08	18.61	0.95
5600	12.09	23.98	12.21	6.66	1.52	0.80	32.35	18.58	0.98
5800	11.84	23.75	12.12	6.54	1.51	0.79	32.62	18.31	1.01
6000	11.53	23.60	11.91	6.34	1.50	0.79	32.00	18.62	1.00

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, Vldj=Open, Id = 46mA @ 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)
400	24.01	28.29	8.00	9.71	1.05	0.50	31.39	18.10	0.55
600	23.70	28.25	8.80	10.06	1.07	0.53	32.85	18.29	0.53
800	23.22	28.34	9.37	9.74	1.10	0.57	32.55	18.47	0.56
1000	22.65	28.29	9.88	9.37	1.13	0.59	31.99	18.03	0.57
1200	22.03	28.32	10.38	9.00	1.16	0.62	32.77	18.61	0.63
1400	21.40	28.25	10.84	8.68	1.20	0.64	31.42	18.55	0.59
1600	20.76	28.15	11.34	8.42	1.23	0.66	31.31	18.82	0.58
1800	20.13	28.07	11.85	8.21	1.27	0.68	31.68	18.53	0.56
2000	19.50	27.84	12.44	8.05	1.30	0.69	31.70	18.73	0.54
2200	18.86	27.79	13.05	7.89	1.35	0.71	30.67	18.48	0.58
2400	18.28	27.60	13.35	7.68	1.38	0.71	31.23	18.96	0.62
2600	17.78	27.28	13.52	7.53	1.39	0.72	31.10	18.51	0.64
2800	17.30	27.08	13.67	7.45	1.41	0.73	30.10	18.79	0.70
3000	16.85	26.78	14.07	7.45	1.42	0.74	31.42	19.07	0.66
3200	16.40	26.48	14.26	7.43	1.43	0.74	31.06	18.88	0.55
3400	15.98	26.23	14.43	7.43	1.44	0.75	31.74	19.19	0.61
3600	15.55	25.99	14.53	7.41	1.46	0.76	31.36	19.06	0.64
3800	15.15	25.72	14.53	7.41	1.47	0.76	31.43	19.21	0.67
4000	14.76	25.51	14.50	7.40	1.49	0.77	31.38	19.34	0.70
4200	14.38	25.27	14.38	7.38	1.50	0.78	31.78	19.14	0.71
4400	14.02	25.06	14.20	7.35	1.51	0.78	32.05	19.39	0.77
4600	13.67	24.82	13.94	7.28	1.51	0.79	31.30	19.16	0.80
4800	13.34	24.64	13.64	7.20	1.52	0.79	31.76	18.93	0.82
5000	13.02	24.44	13.30	7.09	1.52	0.79	31.77	19.08	0.89
5200	12.70	24.23	12.99	6.96	1.51	0.80	32.19	19.01	0.86
5400	12.38	24.12	12.67	6.80	1.52	0.79	31.54	18.81	0.91
5600	12.01	24.01	12.17	6.66	1.53	0.80	31.59	18.65	0.98
5800	11.76	23.80	12.02	6.55	1.52	0.80	31.92	18.51	1.00
6000	11.45	23.70	11.76	6.36	1.52	0.79	31.69	18.80	1.00

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, Vldj=Open, Id = 50mA @ 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)
400	24.22	28.44	8.25	9.84	1.05	0.50	31.49	18.35	0.57
600	23.91	28.36	9.10	10.18	1.07	0.53	32.40	18.54	0.54
800	23.42	28.38	9.70	9.86	1.10	0.55	31.96	18.83	0.62
1000	22.84	28.36	10.23	9.47	1.13	0.58	31.84	18.28	0.53
1200	22.22	28.38	10.75	9.08	1.16	0.61	32.65	18.85	0.56
1400	21.58	28.30	11.22	8.74	1.19	0.63	32.06	18.78	0.61
1600	20.94	28.26	11.72	8.47	1.23	0.66	31.56	19.05	0.56
1800	20.30	28.08	12.23	8.25	1.26	0.67	31.28	18.77	0.59
2000	19.67	27.87	12.81	8.09	1.29	0.69	31.76	18.96	0.56
2200	19.02	27.82	13.46	7.92	1.34	0.70	31.83	18.71	0.56
2400	18.43	27.59	13.75	7.70	1.37	0.71	32.16	19.19	0.77
2600	17.93	27.36	13.86	7.55	1.38	0.71	30.50	18.74	0.64
2800	17.44	27.11	13.97	7.47	1.40	0.72	30.05	19.01	0.71
3000	16.99	26.82	14.34	7.46	1.41	0.73	31.36	19.28	0.70
3200	16.55	26.51	14.50	7.45	1.42	0.74	31.06	19.08	0.59
3400	16.12	26.25	14.63	7.45	1.43	0.75	31.32	19.40	0.61
3600	15.69	25.97	14.69	7.45	1.45	0.75	31.23	19.27	0.65
3800	15.30	25.76	14.67	7.44	1.46	0.76	31.51	19.41	0.62
4000	14.90	25.49	14.59	7.44	1.47	0.77	31.56	19.54	0.72
4200	14.52	25.22	14.45	7.42	1.48	0.78	32.12	19.35	0.77
4400	14.16	25.05	14.28	7.38	1.50	0.78	31.34	19.60	0.76
4600	13.81	24.84	14.04	7.31	1.50	0.78	31.08	19.36	0.80
4800	13.49	24.62	13.76	7.22	1.50	0.79	31.04	19.02	0.83
5000	13.17	24.42	13.48	7.09	1.50	0.79	31.17	19.28	0.87
5200	12.85	24.21	13.19	6.97	1.50	0.79	31.54	19.11	0.90
5400	12.54	24.05	12.91	6.79	1.50	0.79	31.94	19.03	0.93
5600	12.18	23.98	12.39	6.66	1.51	0.79	31.49	18.86	0.98
5800	11.93	23.77	12.31	6.55	1.50	0.79	31.60	18.73	1.02
6000	11.62	23.66	12.09	6.35	1.51	0.78	31.47	19.01	1.04

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, Vldj=Open, Id = 51mA @ 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)
400	24.96	28.76	9.18	10.25	1.04	0.47	31.88	17.93	0.40
600	24.66	28.62	10.26	10.66	1.06	0.49	32.37	18.11	0.37
800	24.18	28.56	10.95	10.30	1.08	0.51	31.89	18.28	0.40
1000	23.63	28.57	11.57	9.90	1.11	0.54	31.67	18.06	0.39
1200	23.03	28.43	12.19	9.49	1.13	0.57	32.82	18.36	0.41
1400	22.40	28.34	12.71	9.11	1.15	0.59	32.37	18.48	0.41
1600	21.78	28.21	13.31	8.79	1.18	0.61	33.72	18.71	0.40
1800	21.16	28.07	13.90	8.54	1.21	0.63	32.25	18.64	0.39
2000	20.54	27.80	14.58	8.37	1.23	0.64	33.66	18.82	0.34
2200	19.90	27.64	15.38	8.20	1.26	0.66	33.30	18.71	0.33
2400	19.28	27.47	15.81	7.94	1.30	0.67	33.36	19.03	0.62
2600	18.80	27.21	15.88	7.73	1.31	0.67	33.12	18.76	0.41
2800	18.32	26.94	16.10	7.64	1.32	0.68	31.77	18.79	0.46
3000	17.88	26.60	16.75	7.64	1.32	0.69	33.78	19.27	0.44
3200	17.45	26.29	17.11	7.64	1.33	0.69	32.83	19.19	0.33
3400	17.03	26.01	17.42	7.67	1.34	0.70	33.85	19.27	0.34
3600	16.62	25.74	17.65	7.69	1.35	0.71	32.75	19.19	0.34
3800	16.23	25.46	17.77	7.71	1.36	0.72	33.09	19.16	0.41
4000	15.83	25.21	17.77	7.72	1.38	0.73	33.37	19.63	0.44
4200	15.45	25.01	17.63	7.70	1.39	0.74	33.09	19.12	0.46
4400	15.08	24.79	17.44	7.65	1.40	0.74	34.18	19.31	0.45
4600	14.74	24.55	17.16	7.55	1.40	0.74	33.47	19.15	0.48
4800	14.43	24.32	16.78	7.42	1.40	0.74	32.84	18.87	0.54
5000	14.12	24.09	16.36	7.28	1.40	0.74	33.44	19.11	0.55
5200	13.82	23.90	15.94	7.14	1.39	0.74	33.01	19.11	0.58
5400	13.52	23.71	15.54	6.96	1.39	0.74	34.47	18.54	0.58
5600	13.16	23.67	14.80	6.82	1.41	0.74	33.27	18.66	0.66
5800	12.93	23.42	14.74	6.73	1.40	0.74	33.17	18.27	0.65
6000	12.63	23.29	14.38	6.54	1.40	0.74	33.01	18.72	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 = 5.00V, Vldj=Open, Id = 54mA @ 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)
400	24.99	28.79	9.24	10.27	1.04	0.47	31.88	18.35	0.41
600	24.69	28.64	10.33	10.67	1.06	0.49	32.37	18.53	0.35
800	24.20	28.61	10.99	10.28	1.08	0.51	32.36	18.69	0.42
1000	23.64	28.59	11.62	9.87	1.11	0.54	32.21	18.46	0.35
1200	23.03	28.47	12.23	9.46	1.13	0.57	33.81	18.76	0.40
1400	22.40	28.38	12.73	9.06	1.16	0.59	32.71	18.88	0.40
1600	21.77	28.25	13.35	8.77	1.18	0.61	33.63	19.10	0.37
1800	21.14	28.06	13.94	8.52	1.21	0.63	33.11	19.15	0.37
2000	20.52	27.90	14.59	8.32	1.24	0.65	33.66	19.08	0.36
2200	19.88	27.66	15.45	8.16	1.27	0.66	33.81	19.10	0.31
2400	19.26	27.52	15.86	7.91	1.30	0.67	33.36	19.29	0.38
2600	18.78	27.20	15.94	7.71	1.31	0.67	33.12	19.15	0.44
2800	18.31	26.96	16.25	7.63	1.32	0.68	31.77	19.18	0.47
3000	17.86	26.56	16.94	7.64	1.32	0.69	34.68	19.66	0.41
3200	17.43	26.31	17.34	7.63	1.33	0.69	32.83	19.69	0.34
3400	17.01	26.03	17.71	7.67	1.35	0.70	34.13	19.65	0.37
3600	16.59	25.72	17.92	7.69	1.35	0.71	32.75	19.58	0.39
3800	16.20	25.50	18.04	7.71	1.37	0.72	33.09	19.55	0.40
4000	15.80	25.24	18.06	7.72	1.38	0.73	33.37	20.02	0.46
4200	15.42	25.00	17.93	7.70	1.39	0.74	33.09	19.51	0.48
4400	15.05	24.76	17.75	7.65	1.40	0.74	34.64	19.69	0.49
4600	14.71	24.52	17.44	7.55	1.40	0.74	33.47	19.54	0.48
4800	14.39	24.32	17.00	7.43	1.40	0.74	33.97	19.38	0.56
5000	14.09	24.09	16.51	7.28	1.40	0.74	34.86	19.50	0.56
5200	13.78	23.89	16.06	7.15	1.40	0.74	33.01	19.50	0.52
5400	13.48	23.76	15.62	6.98	1.40	0.74	34.62	19.05	0.54
5600	13.11	23.66	14.83	6.83	1.41	0.75	34.01	19.05	0.62
5800	12.88	23.41	14.69	6.75	1.40	0.75	33.17	18.79	0.63
6000	12.58	23.31	14.30	6.58	1.41	0.74	33.01	19.10	0.64

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, Vldj=Open, Id = 58mA @ 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)
400	25.02	28.78	9.33	10.31	1.04	0.46	33.38	18.77	0.38
600	24.71	28.70	10.38	10.70	1.06	0.49	32.96	18.94	0.36
800	24.23	28.63	11.09	10.33	1.08	0.51	34.63	19.23	0.39
1000	23.66	28.55	11.72	9.91	1.10	0.54	33.73	18.85	0.35
1200	23.05	28.50	12.33	9.48	1.13	0.57	33.71	19.28	0.41
1400	22.42	28.43	12.89	9.11	1.16	0.59	33.86	19.38	0.41
1600	21.79	28.21	13.48	8.79	1.18	0.61	34.44	19.49	0.38
1800	21.17	28.07	14.08	8.56	1.21	0.63	34.77	19.53	0.37
2000	20.54	27.90	14.77	8.37	1.24	0.65	33.84	19.58	0.33
2200	19.90	27.71	15.59	8.20	1.27	0.66	33.32	19.47	0.31
2400	19.27	27.53	15.99	7.94	1.30	0.67	34.75	19.79	0.35
2600	18.79	27.17	16.02	7.74	1.30	0.67	34.96	19.65	0.39
2800	18.32	26.92	16.20	7.66	1.32	0.68	35.66	19.67	0.45
3000	17.88	26.60	16.80	7.68	1.32	0.69	34.99	20.03	0.43
3200	17.44	26.28	17.11	7.67	1.33	0.70	34.89	20.06	0.32
3400	17.02	26.00	17.42	7.69	1.34	0.70	34.91	20.03	0.33
3600	16.60	25.75	17.58	7.71	1.36	0.71	35.37	20.08	0.35
3800	16.21	25.48	17.64	7.73	1.37	0.72	34.41	20.06	0.37
4000	15.81	25.27	17.60	7.73	1.38	0.73	36.25	20.39	0.44
4200	15.43	24.99	17.48	7.74	1.39	0.74	34.09	20.01	0.43
4400	15.06	24.80	17.29	7.69	1.41	0.74	35.80	20.18	0.45
4600	14.73	24.54	16.95	7.61	1.41	0.74	36.85	20.04	0.51
4800	14.41	24.34	16.59	7.49	1.41	0.75	34.12	19.75	0.51
5000	14.11	24.10	16.16	7.34	1.40	0.74	35.57	19.99	0.55
5200	13.80	23.91	15.80	7.20	1.40	0.74	34.85	19.99	0.56
5400	13.50	23.73	15.43	7.01	1.40	0.74	34.94	19.43	0.57
5600	13.14	23.66	14.73	6.85	1.41	0.75	35.31	19.55	0.59
5800	12.90	23.43	14.71	6.75	1.40	0.74	35.56	19.17	0.67
6000	12.61	23.29	14.35	6.55	1.40	0.74	34.76	19.60	0.64

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, Vldj=Open, Id = 41mA @ 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)
400	23.43	28.04	7.43	9.37	1.05	0.53	28.86	16.34	0.73
600	23.13	28.00	8.13	9.71	1.08	0.56	30.67	16.55	0.70
800	22.66	27.98	8.64	9.44	1.10	0.58	30.11	16.73	0.73
1000	22.10	28.06	9.09	9.11	1.14	0.61	29.69	16.28	0.68
1200	21.50	28.09	9.55	8.77	1.17	0.64	30.55	16.74	0.78
1400	20.87	28.04	10.00	8.49	1.21	0.66	30.00	16.68	0.79
1600	20.25	27.96	10.48	8.24	1.24	0.68	30.94	16.98	0.74
1800	19.63	27.93	10.96	8.04	1.29	0.70	30.62	16.68	0.76
2000	19.00	27.80	11.51	7.90	1.33	0.71	31.32	16.88	0.73
2200	18.38	27.65	12.04	7.75	1.37	0.72	30.48	16.62	0.74
2400	17.81	27.50	12.33	7.57	1.41	0.73	31.24	17.15	0.78
2600	17.31	27.25	12.51	7.44	1.42	0.73	31.48	16.66	0.80
2800	16.81	27.10	12.66	7.37	1.45	0.75	32.26	16.87	0.92
3000	16.37	26.79	13.00	7.36	1.46	0.75	31.81	17.21	0.87
3200	15.93	26.55	13.17	7.34	1.48	0.76	31.27	16.91	0.80
3400	15.50	26.28	13.32	7.34	1.50	0.77	32.24	17.36	0.81
3600	15.08	26.05	13.40	7.34	1.51	0.77	31.71	17.09	0.85
3800	14.69	25.84	13.42	7.36	1.53	0.78	31.82	17.23	0.88
4000	14.30	25.57	13.37	7.37	1.54	0.79	32.42	17.51	0.94
4200	13.92	25.40	13.24	7.39	1.57	0.80	32.59	17.22	0.97
4400	13.56	25.18	13.08	7.39	1.58	0.81	33.48	17.47	1.00
4600	13.22	24.97	12.84	7.36	1.59	0.81	34.29	17.21	1.01
4800	12.88	24.78	12.55	7.31	1.59	0.82	33.57	16.86	1.08
5000	12.55	24.55	12.26	7.21	1.59	0.82	34.07	17.10	1.13
5200	12.22	24.42	11.97	7.09	1.60	0.82	36.47	16.89	1.17
5400	11.89	24.26	11.71	6.92	1.60	0.82	35.60	16.84	1.18
5600	11.52	24.20	11.25	6.77	1.62	0.83	35.33	16.61	1.33
5800	11.26	24.02	11.15	6.62	1.61	0.82	35.33	16.53	1.33
6000	10.94	23.89	10.96	6.39	1.61	0.82	36.85	16.63	1.29

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, Vldj=Open, Id = 44mA @ 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)
400	23.52	28.10	7.55	9.42	1.05	0.53	29.75	16.58	0.73
600	23.21	28.01	8.24	9.75	1.07	0.55	30.61	16.78	0.68
800	22.74	28.04	8.76	9.47	1.10	0.58	30.60	16.96	0.76
1000	22.17	28.14	9.22	9.11	1.14	0.61	30.45	16.39	0.73
1200	21.56	28.14	9.68	8.77	1.17	0.63	31.86	16.97	0.72
1400	20.94	28.11	10.14	8.47	1.21	0.66	30.69	16.91	0.78
1600	20.31	28.04	10.62	8.23	1.25	0.68	31.22	17.20	0.75
1800	19.68	27.96	11.10	8.04	1.29	0.69	31.29	16.90	0.80
2000	19.06	27.86	11.66	7.88	1.33	0.71	31.20	17.10	0.78
2200	18.43	27.77	12.18	7.72	1.38	0.72	30.85	16.84	0.76
2400	17.86	27.57	12.47	7.55	1.41	0.73	32.47	17.25	0.73
2600	17.35	27.37	12.65	7.42	1.43	0.73	31.56	16.87	0.82
2800	16.86	27.16	12.79	7.35	1.45	0.74	30.32	17.19	0.92
3000	16.41	26.83	13.13	7.34	1.46	0.75	32.84	17.41	0.89
3200	15.97	26.61	13.29	7.31	1.48	0.76	31.85	17.10	0.81
3400	15.55	26.35	13.44	7.32	1.50	0.76	32.43	17.56	0.83
3600	15.13	26.10	13.52	7.33	1.52	0.77	32.12	17.28	0.90
3800	14.73	25.83	13.53	7.34	1.53	0.78	32.61	17.43	0.94
4000	14.34	25.66	13.49	7.35	1.55	0.79	34.28	17.58	0.94
4200	13.97	25.43	13.36	7.37	1.57	0.80	33.09	17.42	0.99
4400	13.60	25.22	13.17	7.37	1.58	0.80	32.96	17.66	1.06
4600	13.26	25.04	12.94	7.35	1.59	0.81	33.06	17.41	1.09
4800	12.92	24.83	12.64	7.29	1.60	0.82	34.54	17.05	1.15
5000	12.59	24.60	12.34	7.20	1.59	0.82	33.94	17.18	1.18
5200	12.26	24.47	12.06	7.09	1.60	0.82	36.03	17.09	1.19
5400	11.93	24.33	11.77	6.91	1.61	0.82	35.32	17.05	1.21
5600	11.57	24.27	11.33	6.77	1.62	0.83	34.10	16.81	1.33
5800	11.30	24.06	11.21	6.62	1.61	0.82	36.08	16.74	1.32
6000	10.99	23.92	11.02	6.38	1.61	0.81	36.97	16.83	1.33

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, Vldj=Open, Id = 46mA @ 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)
400	23.59	28.12	7.63	9.45	1.05	0.52	29.80	16.68	0.71
600	23.28	28.11	8.34	9.77	1.08	0.55	30.73	16.88	0.71
800	22.80	28.04	8.87	9.47	1.10	0.57	30.87	17.17	0.75
1000	22.23	28.17	9.32	9.12	1.14	0.61	30.55	16.60	0.72
1200	21.62	28.15	9.79	8.76	1.17	0.63	31.55	17.18	0.86
1400	20.99	28.10	10.24	8.46	1.20	0.65	31.07	17.00	0.78
1600	20.36	28.07	10.72	8.20	1.24	0.67	31.40	17.40	0.74
1800	19.73	28.01	11.21	8.00	1.29	0.69	31.40	17.10	0.79
2000	19.10	27.89	11.77	7.85	1.33	0.71	32.40	17.19	0.80
2200	18.47	27.74	12.28	7.69	1.37	0.72	32.32	16.92	0.78
2400	17.90	27.65	12.58	7.51	1.41	0.73	31.98	17.44	0.79
2600	17.40	27.39	12.75	7.37	1.43	0.73	31.52	17.06	0.87
2800	16.90	27.18	12.89	7.31	1.45	0.74	30.46	17.27	0.96
3000	16.46	26.82	13.22	7.29	1.45	0.75	32.36	17.48	0.91
3200	16.02	26.67	13.39	7.28	1.49	0.76	31.55	17.28	0.83
3400	15.59	26.37	13.53	7.29	1.49	0.76	32.26	17.63	0.80
3600	15.16	26.16	13.60	7.29	1.52	0.77	32.34	17.35	0.89
3800	14.77	25.91	13.61	7.30	1.53	0.78	33.78	17.62	0.97
4000	14.38	25.69	13.56	7.31	1.55	0.79	33.39	17.65	0.98
4200	14.00	25.47	13.42	7.33	1.56	0.79	33.33	17.48	0.99
4400	13.64	25.28	13.23	7.33	1.58	0.80	33.14	17.72	1.05
4600	13.30	25.05	12.99	7.30	1.59	0.81	33.25	17.59	1.10
4800	12.96	24.84	12.70	7.24	1.59	0.81	34.53	17.24	1.17
5000	12.63	24.67	12.39	7.15	1.59	0.82	33.77	17.36	1.19
5200	12.30	24.47	12.11	7.04	1.59	0.82	34.57	17.27	1.25
5400	11.98	24.33	11.83	6.86	1.60	0.82	35.33	17.24	1.26
5600	11.61	24.28	11.37	6.72	1.62	0.82	34.03	16.88	1.34
5800	11.35	24.09	11.26	6.58	1.61	0.82	34.37	16.82	1.35
6000	11.03	23.97	11.07	6.35	1.61	0.81	35.77	17.02	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 = 5.00V, Vldj = Ground, Id = 32mA @ 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)
400	23.37	27.92	7.22	9.11	1.05	0.51	27.64	16.08	0.58
600	23.10	27.89	7.93	9.45	1.07	0.54	27.66	16.04	0.48
800	22.65	27.91	8.46	9.22	1.09	0.57	28.33	16.37	0.55
1000	22.11	27.99	8.94	8.92	1.13	0.60	27.57	16.00	0.50
1200	21.52	28.03	9.41	8.59	1.16	0.62	28.50	16.44	0.62
1400	20.91	28.00	9.86	8.31	1.20	0.65	28.40	16.58	0.52
1600	20.30	27.94	10.33	8.07	1.23	0.67	28.99	16.88	0.55
1800	19.68	27.89	10.78	7.88	1.27	0.69	28.98	16.90	0.55
2000	19.07	27.73	11.31	7.73	1.31	0.70	29.72	17.00	0.55
2200	18.43	27.66	11.85	7.57	1.36	0.71	29.37	16.90	0.55
2400	17.85	27.59	12.12	7.38	1.40	0.72	30.18	17.61	0.59
2600	17.36	27.27	12.24	7.23	1.40	0.72	29.33	17.30	0.61
2800	16.90	27.08	12.41	7.16	1.42	0.73	29.52	17.64	0.64
3000	16.45	26.81	12.57	7.13	1.44	0.74	30.65	18.25	0.67
3200	16.01	26.62	12.72	7.12	1.46	0.75	30.19	18.19	0.59
3400	15.58	26.39	12.79	7.12	1.48	0.76	31.10	18.53	0.62
3600	15.16	26.09	12.83	7.12	1.49	0.77	30.58	18.45	0.62
3800	14.77	25.93	12.80	7.13	1.51	0.78	31.01	18.44	0.71
4000	14.38	25.72	12.78	7.14	1.53	0.78	31.34	18.89	0.71
4200	14.00	25.47	12.69	7.13	1.54	0.79	30.82	18.55	0.74
4400	13.64	25.29	12.56	7.08	1.55	0.80	31.80	18.87	0.76
4600	13.30	25.10	12.36	7.04	1.56	0.80	31.23	18.61	0.79
4800	12.98	24.85	12.18	6.94	1.56	0.80	30.74	18.36	0.85
5000	12.67	24.71	11.96	6.82	1.56	0.80	31.34	18.69	0.83
5200	12.36	24.48	11.74	6.70	1.55	0.80	30.39	18.62	0.84
5400	12.05	24.34	11.59	6.55	1.56	0.80	31.69	18.28	0.95
5600	11.74	24.15	11.40	6.39	1.55	0.80	30.57	18.46	0.87
5800	11.44	24.02	11.22	6.24	1.55	0.80	30.10	18.09	0.99
6000	11.12	23.91	11.06	6.03	1.55	0.79	30.24	18.45	1.03

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 = 5.00V, Vldj = 0.2V, Id = 35mA @ 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)
400	23.60	28.06	7.49	9.33	1.05	0.51	28.20	16.69	0.55
600	23.32	28.00	8.23	9.67	1.07	0.54	28.91	16.77	0.51
800	22.86	28.04	8.77	9.41	1.10	0.56	29.55	17.10	0.54
1000	22.30	28.07	9.27	9.08	1.13	0.59	28.87	16.70	0.50
1200	21.71	28.10	9.75	8.74	1.16	0.62	29.88	17.16	0.61
1400	21.09	28.11	10.21	8.45	1.20	0.65	29.44	17.27	0.57
1600	20.47	28.00	10.69	8.19	1.23	0.66	30.14	17.57	0.58
1800	19.85	27.92	11.15	7.99	1.27	0.68	30.16	17.43	0.60
2000	19.23	27.85	11.69	7.83	1.31	0.70	30.04	17.53	0.57
2200	18.59	27.75	12.24	7.66	1.36	0.71	30.45	17.41	0.55
2400	18.00	27.61	12.50	7.47	1.40	0.72	30.72	18.10	0.58
2600	17.51	27.32	12.62	7.32	1.40	0.72	30.64	17.78	0.59
2800	17.04	27.06	12.79	7.25	1.41	0.73	30.99	18.11	0.70
3000	16.59	26.84	12.95	7.21	1.43	0.74	31.24	18.55	0.64
3200	16.14	26.57	13.09	7.21	1.45	0.75	31.68	18.35	0.54
3400	15.72	26.38	13.15	7.21	1.47	0.76	32.64	18.82	0.59
3600	15.30	26.10	13.20	7.22	1.48	0.77	31.73	18.59	0.61
3800	14.90	25.87	13.16	7.23	1.50	0.77	32.25	18.59	0.71
4000	14.51	25.64	13.13	7.23	1.51	0.78	32.86	19.15	0.73
4200	14.13	25.43	13.02	7.22	1.53	0.79	32.69	18.82	0.71
4400	13.77	25.22	12.88	7.18	1.54	0.79	34.55	19.00	0.78
4600	13.43	25.01	12.67	7.13	1.54	0.80	33.79	18.87	0.80
4800	13.11	24.79	12.49	7.04	1.54	0.80	33.36	18.63	0.79
5000	12.79	24.59	12.25	6.92	1.54	0.80	33.55	18.93	0.87
5200	12.49	24.41	12.03	6.80	1.54	0.80	33.75	18.75	0.89
5400	12.18	24.26	11.86	6.64	1.54	0.80	36.12	18.54	0.93
5600	11.87	24.08	11.67	6.49	1.54	0.80	34.11	18.58	0.98
5800	11.57	23.95	11.48	6.34	1.54	0.79	34.03	18.23	1.02
6000	11.25	23.83	11.32	6.13	1.54	0.79	34.47	18.56	0.96

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, Vldj = 0.4V, Id = 39mA @ 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)
400	23.80	28.15	7.71	9.49	1.05	0.51	29.75	17.23	0.57
600	23.50	28.12	8.49	9.85	1.07	0.54	30.02	17.44	0.50
800	23.03	28.15	9.05	9.57	1.10	0.56	30.78	17.62	0.55
1000	22.47	28.14	9.56	9.22	1.13	0.59	29.64	17.21	0.52
1200	21.87	28.22	10.05	8.86	1.16	0.62	30.15	17.68	0.59
1400	21.24	28.15	10.52	8.55	1.20	0.64	30.30	17.77	0.54
1600	20.61	28.06	11.00	8.28	1.23	0.66	30.49	18.06	0.61
1800	19.98	27.97	11.47	8.07	1.26	0.68	30.57	17.91	0.56
2000	19.36	27.87	12.02	7.92	1.31	0.70	31.45	18.01	0.54
2200	18.72	27.75	12.59	7.75	1.35	0.71	30.49	17.88	0.52
2400	18.12	27.61	12.85	7.54	1.39	0.72	31.24	18.54	0.55
2600	17.63	27.32	12.96	7.39	1.39	0.72	31.14	18.09	0.57
2800	17.16	27.09	13.13	7.31	1.41	0.73	31.33	18.41	0.63
3000	16.70	26.83	13.29	7.28	1.43	0.74	31.85	18.70	0.64
3200	16.26	26.54	13.43	7.28	1.44	0.75	32.49	18.63	0.57
3400	15.83	26.31	13.48	7.28	1.46	0.76	32.60	18.95	0.59
3600	15.41	26.10	13.53	7.29	1.48	0.76	32.53	18.72	0.64
3800	15.01	25.82	13.47	7.30	1.48	0.77	33.61	18.86	0.71
4000	14.62	25.59	13.45	7.31	1.50	0.78	33.16	19.27	0.68
4200	14.24	25.37	13.32	7.30	1.51	0.79	32.26	18.95	0.72
4400	13.88	25.19	13.18	7.25	1.53	0.79	33.23	19.24	0.77
4600	13.54	24.96	12.95	7.21	1.53	0.80	34.06	18.99	0.81
4800	13.22	24.70	12.76	7.12	1.53	0.80	34.59	18.75	0.84
5000	12.90	24.49	12.51	7.00	1.52	0.80	34.26	19.05	0.85
5200	12.60	24.34	12.29	6.88	1.53	0.80	35.01	18.87	0.91
5400	12.29	24.17	12.12	6.73	1.52	0.80	37.47	18.66	0.85
5600	11.98	24.02	11.92	6.57	1.53	0.80	34.78	18.69	0.91
5800	11.68	23.86	11.73	6.42	1.53	0.79	37.42	18.35	0.99
6000	11.36	23.76	11.55	6.21	1.53	0.79	35.91	18.67	1.00

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, Vldj = 0.6V, Id = 42mA @ 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)
400	23.95	28.25	7.91	9.64	1.05	0.50	30.18	17.72	0.62
600	23.65	28.18	8.72	9.99	1.07	0.53	31.44	17.80	0.49
800	23.18	28.23	9.29	9.69	1.10	0.56	31.06	18.10	0.52
1000	22.61	28.18	9.81	9.33	1.12	0.58	30.77	17.68	0.49
1200	22.00	28.24	10.32	8.96	1.16	0.62	31.27	18.15	0.56
1400	21.36	28.22	10.79	8.64	1.20	0.64	31.21	18.10	0.57
1600	20.73	28.10	11.29	8.37	1.23	0.66	31.63	18.39	0.54
1800	20.10	28.02	11.76	8.15	1.26	0.68	30.62	18.22	0.59
2000	19.47	27.85	12.31	7.99	1.30	0.69	31.87	18.32	0.51
2200	18.83	27.81	12.90	7.81	1.35	0.71	31.45	18.19	0.54
2400	18.23	27.58	13.16	7.60	1.38	0.71	32.77	18.70	0.56
2600	17.74	27.33	13.26	7.46	1.39	0.72	31.18	18.37	0.60
2800	17.27	27.09	13.44	7.38	1.41	0.73	30.77	18.68	0.67
3000	16.81	26.83	13.59	7.35	1.42	0.74	32.01	18.95	0.63
3200	16.36	26.53	13.73	7.35	1.43	0.74	31.47	18.75	0.54
3400	15.93	26.23	13.79	7.35	1.44	0.75	32.54	19.07	0.62
3600	15.51	26.04	13.83	7.35	1.46	0.76	31.90	18.97	0.66
3800	15.11	25.78	13.77	7.36	1.47	0.77	33.06	18.98	0.67
4000	14.72	25.56	13.73	7.37	1.49	0.78	32.82	19.38	0.76
4200	14.34	25.33	13.60	7.37	1.50	0.78	32.89	19.06	0.69
4400	13.98	25.12	13.46	7.33	1.52	0.79	32.30	19.34	0.77
4600	13.64	24.87	13.23	7.28	1.52	0.79	32.97	19.10	0.80
4800	13.32	24.66	13.03	7.19	1.52	0.80	33.03	18.86	0.83
5000	13.00	24.49	12.77	7.07	1.52	0.80	32.75	19.14	0.86
5200	12.70	24.27	12.54	6.95	1.51	0.80	34.63	18.97	0.90
5400	12.39	24.12	12.35	6.80	1.52	0.80	33.67	18.77	0.89
5600	12.08	23.92	12.14	6.64	1.51	0.79	34.44	18.67	0.86
5800	11.78	23.80	11.94	6.49	1.52	0.79	36.42	18.46	1.02
6000	11.46	23.67	11.76	6.28	1.52	0.78	33.84	18.77	0.98

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, Vldj = 0.8V, Id = 45mA @ 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)
400	24.09	28.39	8.10	9.76	1.05	0.51	30.32	17.92	0.58
600	23.78	28.25	8.92	10.11	1.07	0.53	31.93	18.12	0.51
800	23.30	28.29	9.51	9.81	1.10	0.56	31.96	18.42	0.53
1000	22.73	28.30	10.04	9.43	1.13	0.59	31.31	17.87	0.52
1200	22.11	28.30	10.56	9.04	1.16	0.61	32.33	18.46	0.62
1400	21.48	28.29	11.03	8.72	1.20	0.64	31.75	18.40	0.55
1600	20.84	28.15	11.53	8.44	1.23	0.66	30.95	18.79	0.56
1800	20.21	28.09	12.01	8.21	1.26	0.68	31.55	18.51	0.55
2000	19.58	27.93	12.59	8.05	1.30	0.69	31.45	18.60	0.54
2200	18.93	27.80	13.18	7.87	1.34	0.70	31.30	18.46	0.58
2400	18.33	27.59	13.44	7.66	1.37	0.71	31.32	18.96	0.55
2600	17.83	27.38	13.55	7.50	1.39	0.72	31.78	18.51	0.61
2800	17.37	27.05	13.73	7.43	1.39	0.72	31.10	18.81	0.69
3000	16.90	26.79	13.89	7.40	1.41	0.73	31.06	19.07	0.66
3200	16.46	26.52	14.04	7.40	1.42	0.74	32.08	18.99	0.54
3400	16.02	26.25	14.08	7.40	1.44	0.75	31.86	19.30	0.59
3600	15.60	26.00	14.12	7.41	1.45	0.76	31.33	19.07	0.61
3800	15.20	25.79	14.05	7.42	1.47	0.77	31.56	19.21	0.70
4000	14.81	25.51	14.02	7.43	1.48	0.77	31.63	19.48	0.69
4200	14.43	25.30	13.90	7.42	1.50	0.78	32.22	19.17	0.72
4400	14.07	25.05	13.73	7.38	1.50	0.79	32.22	19.43	0.77
4600	13.73	24.82	13.48	7.34	1.51	0.79	31.96	19.20	0.82
4800	13.41	24.60	13.28	7.25	1.51	0.79	32.28	18.97	0.81
5000	13.09	24.41	13.02	7.13	1.51	0.79	31.67	19.23	0.86
5200	12.79	24.26	12.77	7.02	1.51	0.80	32.44	19.06	0.84
5400	12.48	24.06	12.58	6.86	1.51	0.79	32.12	18.86	0.94
5600	12.17	23.92	12.37	6.71	1.51	0.79	32.35	18.88	0.89
5800	11.87	23.77	12.15	6.55	1.51	0.79	33.73	18.56	1.02
6000	11.55	23.64	11.97	6.34	1.51	0.78	32.04	18.85	1.00