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 = 103.16mA @ Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
20	10.62	20.52	46.54	20.12	1.71	0.89	41.57	18.73	7.34
50	10.62	20.52	45.83	20.10	1.71	0.89	45.03	19.63	7.21
100	10.61	20.52	41.91	20.03	1.71	0.89	40.87	19.46	7.25
200	10.59	20.53	36.01	19.84	1.71	0.89	41.42	19.56	7.20
300	10.57	20.53	32.29	19.58	1.71	0.89	44.67	19.71	7.29
400	10.55	20.52	29.81	19.22	1.71	0.89	40.62	19.60	7.25
500	10.53	20.53	27.94	18.83	1.71	0.89	40.69	19.70	7.27
600	10.51	20.54	26.45	18.35	1.71	0.89	38.66	19.67	7.25
700	10.48	20.53	25.07	17.85	1.71	0.89	38.35	19.65	7.26
800	10.45	20.53	23.91	17.37	1.71	0.89	38.16	19.73	7.28
900	10.41	20.53	22.98	16.88	1.71	0.89	37.23	19.60	7.29
1000	10.37	20.52	22.03	16.41	1.71	0.89	38.32	19.69	7.25
1250	10.27	20.51	20.17	15.28	1.71	0.89	36.53	19.56	7.43
1500	10.15	20.49	18.75	14.32	1.70	0.89	35.94	19.54	7.46
1750	10.03	20.46	17.60	13.51	1.70	0.89	35.21	19.44	7.47
2000	9.89	20.42	16.67	12.79	1.69	0.89	34.88	19.65	7.45
2250	9.74	20.37	15.92	12.19	1.68	0.89	34.95	19.58	7.44
2500	9.60	20.31	15.29	11.71	1.68	0.89	33.98	19.72	7.51
2750	9.46	20.24	14.76	11.32	1.67	0.89	33.10	19.54	7.67
3000	9.32	20.15	14.42	11.03	1.67	0.89	33.06	19.89	7.54
3250	9.17	20.06	14.12	10.81	1.66	0.88	33.08	19.91	7.65
3500	9.03	19.96	13.95	10.64	1.66	0.88	32.52	19.84	7.67
3750	8.91	19.86	13.88	10.54	1.66	0.88	32.21	19.64	7.64
4000	8.77	19.74	13.87	10.51	1.66	0.88	31.55	19.59	7.71
4250	8.65	19.62	13.93	10.55	1.67	0.88	31.71	19.78	7.74
4500	8.53	19.49	14.17	10.65	1.67	0.88	31.07	19.55	7.81
4750	8.41	19.36	14.36	10.84	1.68	0.88	30.67	19.44	7.88
5000	8.28	19.24	14.65	11.09	1.69	0.89	30.15	19.31	7.85
5250	8.16	19.11	15.10	11.37	1.70	0.89	30.07	19.18	7.94
5500	8.04	19.00	15.45	11.72	1.71	0.89	29.66	18.79	7.95
5750	7.91	18.90	15.94	12.07	1.73	0.90	29.38	18.61	7.98
6000	7.76	18.82	16.49	12.42	1.76	0.90	28.97	18.48	8.02
6250	7.61	18.72	16.75	12.82	1.78	0.91	28.93	18.32	8.15
6500	7.45	18.66	17.01	13.12	1.80	0.91	28.66	18.18	8.11
6750	7.27	18.62	17.03	13.38	1.83	0.92	28.45	17.80	8.18
7000	7.09	18.58	16.71	13.53	1.86	0.92	28.23	17.67	8.31
7500	6.66	18.57	15.66	13.38	1.93	0.93	27.96	17.45	8.35
8000	6.19	18.64	14.19	12.73	2.01	0.94	27.51	16.95	8.46

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 = 94.46mA @ Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
20	10.61	20.49	53.25	19.98	1.70	0.89	39.44	18.02	7.24
50	10.61	20.50	48.73	19.96	1.71	0.89	41.06	18.90	7.10
100	10.59	20.49	42.48	19.90	1.71	0.89	42.55	18.73	7.12
200	10.57	20.50	35.98	19.70	1.71	0.89	41.97	18.83	7.08
300	10.56	20.50	32.17	19.45	1.71	0.89	41.03	18.95	7.10
400	10.54	20.49	29.70	19.09	1.71	0.89	40.53	18.85	7.15
500	10.51	20.50	27.84	18.70	1.71	0.89	39.09	18.95	7.13
600	10.49	20.50	26.32	18.23	1.71	0.89	38.39	18.92	7.11
700	10.46	20.50	24.98	17.74	1.71	0.89	38.93	18.89	7.18
800	10.43	20.50	23.88	17.26	1.71	0.89	37.98	18.97	7.19
900	10.39	20.49	22.85	16.77	1.71	0.89	36.80	18.84	7.16
1000	10.35	20.49	21.94	16.30	1.71	0.89	37.13	18.93	7.12
1250	10.25	20.47	20.08	15.18	1.70	0.89	35.95	18.80	7.30
1500	10.13	20.45	18.69	14.23	1.70	0.89	34.95	18.78	7.35
1750	10.01	20.41	17.50	13.42	1.69	0.89	34.71	18.68	7.41
2000	9.86	20.37	16.60	12.72	1.68	0.89	33.99	18.86	7.35
2250	9.72	20.32	15.85	12.12	1.68	0.89	33.89	18.80	7.32
2500	9.57	20.25	15.20	11.65	1.67	0.89	33.47	18.91	7.41
2750	9.43	20.18	14.70	11.26	1.66	0.89	32.50	18.77	7.52
3000	9.28	20.09	14.36	10.98	1.66	0.88	32.71	19.09	7.42
3250	9.14	19.99	14.06	10.77	1.66	0.88	32.75	19.14	7.52
3500	9.00	19.89	13.88	10.60	1.65	0.88	32.16	19.11	7.58
3750	8.87	19.78	13.83	10.51	1.65	0.88	31.64	18.94	7.52
4000	8.74	19.66	13.82	10.48	1.65	0.88	31.08	18.94	7.59
4250	8.61	19.54	13.90	10.53	1.66	0.88	31.58	19.11	7.61
4500	8.48	19.41	14.11	10.64	1.66	0.88	30.97	18.96	7.69
4750	8.37	19.28	14.31	10.84	1.67	0.88	30.45	18.87	7.70
5000	8.24	19.15	14.60	11.09	1.68	0.89	29.96	18.79	7.69
5250	8.12	19.03	15.03	11.38	1.69	0.89	29.76	18.66	7.80
5500	7.99	18.91	15.42	11.73	1.71	0.89	29.39	18.29	7.78
5750	7.86	18.81	15.89	12.09	1.73	0.90	29.03	18.11	7.85
6000	7.71	18.73	16.45	12.44	1.75	0.90	28.75	18.01	7.88
6250	7.56	18.63	16.72	12.85	1.77	0.91	28.67	17.84	7.99
6500	7.39	18.57	16.97	13.14	1.80	0.91	28.46	17.73	7.93
6750	7.21	18.53	17.00	13.39	1.83	0.92	28.20	17.32	8.02
7000	7.02	18.50	16.68	13.53	1.86	0.92	27.91	17.22	8.10
7500	6.59	18.49	15.65	13.35	1.93	0.93	27.85	17.01	8.21
8000	6.12	18.56	14.17	12.69	2.01	0.93	27.26	16.52	8.28

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 = 112.06mA @ Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
20	10.63	20.54	45.31	20.23	1.71	0.89	40.10	19.37	7.46
50	10.64	20.55	44.14	20.23	1.71	0.89	46.08	20.30	7.37
100	10.62	20.54	41.36	20.16	1.71	0.89	44.69	20.14	7.33
200	10.60	20.55	35.90	19.96	1.71	0.89	42.99	20.24	7.34
300	10.58	20.55	32.32	19.70	1.71	0.89	42.68	20.39	7.32
400	10.56	20.55	29.80	19.34	1.71	0.89	43.99	20.27	7.40
500	10.54	20.55	27.98	18.94	1.72	0.89	41.31	20.39	7.42
600	10.52	20.56	26.46	18.46	1.72	0.89	42.48	20.37	7.36
700	10.49	20.56	25.13	17.96	1.72	0.89	39.58	20.36	7.41
800	10.46	20.56	24.02	17.48	1.72	0.89	39.53	20.45	7.39
900	10.43	20.55	23.03	16.98	1.71	0.89	38.60	20.29	7.41
1000	10.39	20.55	22.10	16.50	1.71	0.89	39.12	20.40	7.38
1250	10.29	20.54	20.22	15.37	1.71	0.89	37.39	20.27	7.53
1500	10.17	20.52	18.81	14.40	1.71	0.89	36.95	20.26	7.56
1750	10.05	20.49	17.64	13.58	1.70	0.89	36.46	20.14	7.61
2000	9.91	20.46	16.71	12.86	1.70	0.89	35.52	20.38	7.59
2250	9.77	20.41	15.95	12.25	1.69	0.89	35.22	20.31	7.57
2500	9.62	20.35	15.31	11.76	1.68	0.89	34.57	20.43	7.69
2750	9.48	20.29	14.78	11.36	1.68	0.89	33.68	20.23	7.81
3000	9.34	20.21	14.43	11.07	1.67	0.89	33.30	20.50	7.69
3250	9.20	20.12	14.16	10.84	1.67	0.88	33.43	20.48	7.75
3500	9.06	20.02	13.97	10.67	1.67	0.88	32.84	20.38	7.84
3750	8.93	19.92	13.92	10.56	1.67	0.88	32.48	20.16	7.79
4000	8.81	19.80	13.89	10.53	1.67	0.88	31.90	20.07	7.86
4250	8.68	19.68	13.96	10.56	1.67	0.88	31.72	20.25	7.85
4500	8.56	19.56	14.18	10.66	1.68	0.88	31.24	19.97	7.93
4750	8.44	19.43	14.37	10.84	1.68	0.89	30.83	19.85	7.95
5000	8.32	19.31	14.65	11.09	1.69	0.89	30.31	19.67	7.95
5250	8.20	19.19	15.10	11.37	1.71	0.89	30.20	19.58	8.08
5500	8.07	19.07	15.45	11.72	1.72	0.90	29.80	19.18	8.10
5750	7.94	18.98	15.92	12.07	1.74	0.90	29.36	18.99	8.09
6000	7.79	18.89	16.49	12.42	1.76	0.90	29.02	18.87	8.17
6250	7.65	18.79	16.73	12.83	1.78	0.91	28.95	18.69	8.31
6500	7.48	18.74	17.00	13.13	1.81	0.91	28.73	18.57	8.24
6750	7.30	18.69	16.99	13.39	1.84	0.92	28.57	18.19	8.32
7000	7.12	18.66	16.68	13.55	1.87	0.92	28.16	18.04	8.42
7500	6.69	18.64	15.64	13.42	1.94	0.93	27.98	17.80	8.52
8000	6.23	18.71	14.15	12.77	2.01	0.94	27.43	17.29	8.63

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 = 98.74mA @ Temperature = -45°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
20	10.66	20.56	57.66	19.77	1.71	0.89	42.84	18.57	6.65
50	10.67	20.57	41.12	19.34	1.70	0.89	41.82	19.46	6.46
100	10.65	20.56	36.92	18.85	1.71	0.88	45.74	19.31	6.48
200	10.64	20.56	35.09	19.19	1.71	0.89	40.44	19.40	6.45
300	10.63	20.55	33.72	18.86	1.71	0.89	48.41	19.55	6.43
400	10.62	20.54	30.33	18.95	1.71	0.89	45.13	19.45	6.50
500	10.60	20.54	28.42	18.64	1.70	0.89	40.56	19.56	6.55
600	10.58	20.54	26.42	18.31	1.70	0.89	40.98	19.51	6.48
700	10.55	20.53	25.17	17.81	1.70	0.89	40.82	19.51	6.51
800	10.52	20.53	23.95	17.27	1.70	0.89	40.17	19.59	6.52
900	10.49	20.52	23.13	16.80	1.70	0.89	39.76	19.46	6.52
1000	10.45	20.51	22.48	16.25	1.70	0.89	39.90	19.57	6.54
1250	10.36	20.48	20.78	15.14	1.69	0.89	38.13	19.45	6.62
1500	10.24	20.45	19.27	14.32	1.68	0.89	37.04	19.45	6.70
1750	10.12	20.41	17.76	13.62	1.68	0.89	36.65	19.39	6.69
2000	9.98	20.37	16.72	12.90	1.67	0.89	36.35	19.57	6.69
2250	9.84	20.30	15.92	12.38	1.66	0.89	35.96	19.50	6.63
2500	9.70	20.23	15.50	11.83	1.65	0.89	35.57	19.50	6.75
2750	9.54	20.17	15.02	11.34	1.65	0.88	34.51	19.41	6.88
3000	9.38	20.10	14.46	10.91	1.64	0.88	34.70	19.78	6.79
3250	9.22	20.01	14.13	10.53	1.64	0.88	34.73	19.80	6.82
3500	9.09	19.92	13.85	10.35	1.63	0.88	34.11	19.71	6.92
3750	8.96	19.80	13.57	10.26	1.63	0.88	33.66	19.62	6.85
4000	8.85	19.67	13.51	10.32	1.63	0.88	33.04	19.70	6.87
4250	8.73	19.53	13.78	10.34	1.63	0.87	33.60	19.79	6.89
4500	8.64	19.38	14.13	10.46	1.63	0.87	32.62	19.68	6.96
4750	8.54	19.25	14.57	10.47	1.63	0.87	32.49	19.63	7.02
5000	8.44	19.10	15.03	10.80	1.64	0.87	32.12	19.68	7.00
5250	8.34	18.96	15.54	11.30	1.65	0.88	31.94	19.51	7.10
5500	8.25	18.81	16.26	11.94	1.66	0.89	31.19	19.29	7.10
5750	8.11	18.73	16.64	12.31	1.68	0.89	30.87	19.05	7.19
6000	7.96	18.65	17.15	12.53	1.70	0.89	30.82	19.03	7.16
6250	7.80	18.59	17.13	12.80	1.72	0.90	30.58	18.80	7.34
6500	7.63	18.55	16.73	13.08	1.75	0.91	30.48	18.67	7.26
6750	7.44	18.54	16.25	12.97	1.77	0.91	29.95	18.15	7.34
7000	7.27	18.50	15.98	13.23	1.80	0.92	29.89	18.19	7.45
7500	6.87	18.48	15.99	12.57	1.86	0.91	29.88	17.88	7.53
8000	6.47	18.50	15.06	11.91	1.91	0.91	29.36	17.39	7.54

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 = 90.29mA @ Temperature = -45°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
20	10.65	20.53	60.49	19.66	1.70	0.89	41.84	17.81	6.51
50	10.65	20.54	40.26	19.24	1.70	0.89	42.33	18.69	6.39
100	10.63	20.53	36.00	18.75	1.70	0.88	39.91	18.54	6.38
200	10.62	20.53	34.72	19.07	1.71	0.89	41.47	18.61	6.34
300	10.61	20.53	33.07	18.76	1.71	0.88	40.79	18.75	6.37
400	10.60	20.52	30.20	18.83	1.70	0.89	41.81	18.68	6.42
500	10.58	20.51	28.23	18.52	1.70	0.89	39.86	18.77	6.44
600	10.56	20.51	26.34	18.22	1.70	0.89	39.92	18.74	6.37
700	10.53	20.51	25.12	17.69	1.70	0.89	39.09	18.73	6.42
800	10.50	20.50	23.80	17.18	1.70	0.89	39.34	18.79	6.44
900	10.47	20.49	23.11	16.69	1.70	0.89	38.59	18.69	6.43
1000	10.43	20.48	22.31	16.16	1.69	0.89	38.00	18.77	6.39
1250	10.33	20.45	20.68	15.04	1.69	0.88	37.25	18.66	6.54
1500	10.22	20.41	19.17	14.22	1.68	0.89	36.28	18.67	6.59
1750	10.09	20.37	17.65	13.53	1.67	0.89	35.44	18.60	6.60
2000	9.95	20.32	16.63	12.82	1.66	0.89	34.97	18.76	6.56
2250	9.81	20.26	15.86	12.30	1.66	0.89	34.62	18.67	6.53
2500	9.66	20.18	15.43	11.76	1.65	0.88	34.19	18.70	6.64
2750	9.51	20.11	14.95	11.28	1.64	0.88	33.37	18.63	6.77
3000	9.34	20.04	14.41	10.86	1.63	0.88	33.70	18.91	6.67
3250	9.18	19.95	14.06	10.49	1.63	0.88	33.97	18.90	6.73
3500	9.04	19.84	13.80	10.32	1.63	0.88	33.25	18.87	6.75
3750	8.92	19.73	13.55	10.24	1.62	0.88	32.53	18.80	6.71
4000	8.80	19.59	13.48	10.31	1.62	0.88	32.15	18.92	6.72
4250	8.69	19.45	13.74	10.33	1.62	0.87	33.07	18.95	6.79
4500	8.59	19.30	14.08	10.46	1.62	0.87	32.03	18.93	6.86
4750	8.48	19.17	14.53	10.48	1.63	0.87	31.75	18.92	6.85
5000	8.39	19.02	14.97	10.81	1.64	0.87	31.36	18.97	6.87
5250	8.29	18.87	15.51	11.31	1.64	0.88	31.27	18.83	6.95
5500	8.20	18.73	16.18	11.95	1.66	0.89	30.62	18.68	7.01
5750	8.05	18.65	16.57	12.32	1.68	0.89	30.28	18.46	7.03
6000	7.90	18.57	17.05	12.53	1.70	0.89	30.25	18.46	7.08
6250	7.74	18.50	17.05	12.79	1.72	0.90	30.00	18.27	7.17
6500	7.56	18.47	16.74	13.07	1.74	0.91	29.85	18.15	7.12
6750	7.37	18.45	16.28	12.96	1.77	0.91	29.32	17.63	7.19
7000	7.19	18.42	15.91	13.20	1.79	0.92	29.33	17.66	7.32
7500	6.79	18.40	15.99	12.55	1.86	0.91	29.30	17.34	7.37
8000	6.39	18.43	15.00	11.89	1.91	0.91	28.77	16.89	7.43

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 = 107.39mA @ Temperature = -45°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
20	10.68	20.58	51.71	19.89	1.71	0.89	38.52	19.25	6.73
50	10.68	20.59	42.32	19.48	1.71	0.89	47.36	20.16	6.60
100	10.66	20.58	37.79	18.98	1.71	0.89	50.20	20.00	6.58
200	10.65	20.58	35.78	19.29	1.71	0.89	43.82	20.10	6.60
300	10.64	20.58	33.72	18.98	1.71	0.89	45.62	20.26	6.64
400	10.63	20.57	30.47	19.07	1.71	0.89	41.96	20.16	6.66
500	10.61	20.56	28.51	18.74	1.71	0.89	43.33	20.28	6.64
600	10.59	20.56	26.43	18.45	1.71	0.89	41.54	20.23	6.61
700	10.56	20.56	25.32	17.90	1.71	0.89	39.78	20.22	6.63
800	10.53	20.56	23.97	17.41	1.70	0.89	41.08	20.31	6.70
900	10.50	20.55	23.33	16.88	1.70	0.89	40.00	20.17	6.66
1000	10.46	20.54	22.53	16.37	1.70	0.89	40.37	20.29	6.66
1250	10.37	20.52	20.89	15.22	1.69	0.89	39.37	20.16	6.75
1500	10.25	20.48	19.33	14.40	1.69	0.89	38.30	20.16	6.82
1750	10.14	20.45	17.80	13.70	1.68	0.89	37.13	20.09	6.85
2000	9.99	20.41	16.78	12.97	1.67	0.89	37.56	20.33	6.80
2250	9.86	20.35	15.99	12.44	1.67	0.89	36.78	20.24	6.76
2500	9.72	20.28	15.56	11.89	1.66	0.89	36.03	20.26	6.85
2750	9.56	20.22	15.08	11.40	1.65	0.89	35.08	20.15	7.01
3000	9.41	20.16	14.52	10.97	1.65	0.88	35.15	20.54	6.91
3250	9.25	20.08	14.19	10.58	1.65	0.88	35.39	20.54	6.94
3500	9.11	19.98	13.90	10.40	1.64	0.88	34.72	20.42	7.03
3750	8.98	19.87	13.65	10.30	1.64	0.88	33.95	20.27	6.96
4000	8.87	19.74	13.59	10.35	1.64	0.88	33.57	20.31	6.98
4250	8.76	19.61	13.82	10.36	1.64	0.88	33.99	20.42	7.03
4500	8.67	19.46	14.16	10.48	1.64	0.87	33.15	20.23	7.08
4750	8.56	19.33	14.62	10.49	1.64	0.87	32.95	20.16	7.12
5000	8.46	19.19	15.09	10.80	1.65	0.87	32.52	20.22	7.12
5250	8.37	19.05	15.59	11.29	1.66	0.88	32.45	20.02	7.23
5500	8.28	18.90	16.22	11.93	1.67	0.89	31.72	19.74	7.23
5750	8.14	18.82	16.66	12.31	1.69	0.89	31.50	19.51	7.26
6000	8.00	18.74	17.18	12.54	1.71	0.90	31.22	19.46	7.31
6250	7.84	18.68	17.20	12.79	1.73	0.90	30.85	19.24	7.48
6500	7.66	18.65	16.86	13.09	1.76	0.91	30.95	19.13	7.38
6750	7.47	18.63	16.32	13.01	1.78	0.91	30.29	18.61	7.48
7000	7.29	18.60	16.04	13.27	1.81	0.92	30.32	18.62	7.53
7500	6.90	18.57	16.06	12.63	1.87	0.92	30.31	18.30	7.64
8000	6.52	18.59	15.05	11.95	1.92	0.92	29.63	17.80	7.71

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 = 107.15mA @ Temperature = +85°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
20	10.57	20.47	42.65	20.35	1.71	0.89	40.56	18.82	8.02
50	10.57	20.49	41.71	20.59	1.71	0.89	50.41	19.76	7.87
100	10.55	20.47	37.30	21.08	1.71	0.89	44.40	19.59	7.90
200	10.54	20.49	33.38	20.84	1.72	0.89	43.71	19.69	7.88
300	10.51	20.49	31.10	20.07	1.72	0.89	42.10	19.84	7.94
400	10.49	20.49	28.87	19.65	1.72	0.89	40.22	19.70	7.93
500	10.46	20.50	26.91	19.02	1.72	0.89	39.95	19.81	7.97
600	10.44	20.51	25.33	18.33	1.72	0.89	39.11	19.79	7.93
700	10.40	20.52	24.11	17.72	1.72	0.89	37.88	19.77	7.94
800	10.37	20.52	23.00	17.18	1.72	0.89	38.25	19.87	7.95
900	10.33	20.52	22.03	16.63	1.72	0.89	37.81	19.71	7.95
1000	10.29	20.52	21.18	16.16	1.72	0.89	37.68	19.79	7.99
1250	10.19	20.52	19.40	15.02	1.72	0.89	35.93	19.67	8.13
1500	10.07	20.50	18.10	14.05	1.71	0.89	35.06	19.63	8.10
1750	9.95	20.47	17.04	13.22	1.70	0.89	34.34	19.49	8.15
2000	9.81	20.44	16.23	12.54	1.70	0.89	33.97	19.70	8.15
2250	9.67	20.39	15.49	11.95	1.69	0.89	33.52	19.65	8.13
2500	9.53	20.33	14.88	11.51	1.68	0.89	33.11	19.83	8.26
2750	9.40	20.25	14.40	11.18	1.68	0.89	32.13	19.59	8.38
3000	9.26	20.16	14.11	11.00	1.67	0.89	31.96	19.84	8.28
3250	9.12	20.06	13.90	10.86	1.67	0.89	31.90	19.83	8.34
3500	8.98	19.96	13.81	10.73	1.67	0.89	31.33	19.76	8.40
3750	8.85	19.85	13.78	10.64	1.67	0.89	30.78	19.51	8.41
4000	8.70	19.74	13.75	10.64	1.68	0.89	30.39	19.34	8.46
4250	8.55	19.63	13.77	10.70	1.69	0.89	30.23	19.50	8.45
4500	8.41	19.51	13.91	10.86	1.70	0.89	29.61	19.21	8.52
4750	8.28	19.38	14.07	11.17	1.71	0.90	29.20	19.03	8.58
5000	8.13	19.26	14.30	11.49	1.72	0.90	28.66	18.71	8.61
5250	7.98	19.15	14.74	11.79	1.75	0.90	28.43	18.65	8.73
5500	7.83	19.05	15.03	12.21	1.77	0.91	28.19	18.23	8.71
5750	7.66	18.96	15.63	12.52	1.79	0.91	27.91	18.07	8.78
6000	7.48	18.89	16.21	12.86	1.83	0.91	27.51	17.82	8.82
6250	7.30	18.81	16.52	13.29	1.86	0.92	27.34	17.69	8.94
6500	7.11	18.74	16.90	13.61	1.89	0.92	27.14	17.51	8.89
6750	6.91	18.70	16.91	14.03	1.93	0.93	27.01	17.30	9.00
7000	6.68	18.69	16.42	14.13	1.97	0.93	26.68	17.03	9.14
7500	6.17	18.73	14.80	14.03	2.07	0.95	26.49	16.75	9.20
8000	5.61	18.85	13.03	13.28	2.17	0.96	26.06	16.30	9.34

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 = 98.28mA @ Temperature = +85°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
20	10.55	20.44	46.13	20.21	1.71	0.89	40.68	18.14	7.87
50	10.56	20.45	43.82	20.44	1.71	0.89	43.67	19.06	7.75
100	10.54	20.44	38.56	20.93	1.71	0.89	41.43	18.89	7.74
200	10.52	20.45	33.88	20.68	1.71	0.89	44.59	18.98	7.75
300	10.50	20.46	31.34	19.92	1.71	0.89	39.46	19.11	7.76
400	10.48	20.46	28.94	19.51	1.72	0.89	39.73	19.00	7.84
500	10.45	20.47	26.95	18.89	1.72	0.89	38.47	19.08	7.77
600	10.42	20.48	25.32	18.20	1.72	0.89	37.66	19.06	7.78
700	10.39	20.48	24.08	17.60	1.72	0.89	38.51	19.03	7.82
800	10.35	20.49	22.94	17.06	1.72	0.89	37.04	19.12	7.83
900	10.32	20.49	21.97	16.53	1.72	0.89	37.13	18.97	7.83
1000	10.27	20.48	21.14	16.06	1.72	0.89	36.68	19.05	7.78
1250	10.17	20.48	19.33	14.92	1.71	0.89	35.63	18.93	7.96
1500	10.05	20.46	18.01	13.96	1.71	0.89	34.51	18.88	8.05
1750	9.92	20.43	16.97	13.14	1.70	0.89	33.76	18.76	8.06
2000	9.79	20.39	16.14	12.46	1.69	0.89	33.21	18.96	8.02
2250	9.64	20.34	15.46	11.89	1.68	0.89	32.99	18.91	8.00
2500	9.50	20.27	14.85	11.45	1.68	0.89	32.45	19.08	8.14
2750	9.37	20.20	14.36	11.13	1.67	0.89	31.57	18.88	8.28
3000	9.23	20.10	14.06	10.96	1.67	0.89	31.43	19.18	8.15
3250	9.09	20.00	13.87	10.82	1.67	0.89	31.47	19.22	8.20
3500	8.95	19.89	13.81	10.70	1.66	0.88	31.04	19.18	8.28
3750	8.81	19.78	13.78	10.61	1.67	0.88	30.38	18.96	8.26
4000	8.66	19.67	13.73	10.62	1.67	0.89	29.81	18.84	8.31
4250	8.51	19.56	13.77	10.68	1.68	0.89	29.79	19.01	8.36
4500	8.38	19.43	13.91	10.84	1.69	0.89	29.36	18.76	8.43
4750	8.25	19.30	14.07	11.15	1.70	0.90	28.95	18.59	8.43
5000	8.10	19.18	14.31	11.48	1.72	0.90	28.44	18.29	8.45
5250	7.94	19.08	14.76	11.77	1.74	0.90	28.21	18.24	8.56
5500	7.79	18.97	15.05	12.20	1.76	0.91	27.90	17.81	8.53
5750	7.63	18.88	15.65	12.50	1.79	0.91	27.62	17.65	8.64
6000	7.45	18.80	16.26	12.83	1.82	0.91	27.23	17.42	8.65
6250	7.27	18.72	16.58	13.26	1.85	0.92	27.17	17.26	8.80
6500	7.08	18.66	16.95	13.57	1.88	0.92	26.92	17.13	8.76
6750	6.88	18.62	16.99	13.98	1.92	0.93	26.81	16.88	8.85
7000	6.65	18.61	16.49	14.06	1.96	0.93	26.43	16.63	8.94
7500	6.15	18.65	14.87	13.95	2.05	0.95	26.21	16.39	9.04
8000	5.59	18.77	13.08	13.19	2.16	0.96	25.82	15.92	9.18

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 = 116.20mA @ Temperature = +85°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
20	10.58	20.50	40.09	20.48	1.71	0.89	41.18	19.41	8.15
50	10.58	20.51	39.61	20.74	1.71	0.89	45.84	20.42	8.00
100	10.56	20.50	36.11	21.25	1.72	0.89	42.17	20.23	8.05
200	10.55	20.51	32.86	20.98	1.72	0.89	44.28	20.34	8.00
300	10.52	20.52	30.99	20.19	1.72	0.89	43.45	20.50	7.98
400	10.50	20.52	28.85	19.77	1.72	0.89	40.12	20.35	8.07
500	10.47	20.53	26.83	19.13	1.72	0.89	40.17	20.47	8.03
600	10.45	20.54	25.32	18.42	1.72	0.89	38.64	20.45	8.06
700	10.41	20.54	24.12	17.81	1.72	0.89	38.73	20.44	8.10
800	10.38	20.55	22.97	17.26	1.72	0.89	38.71	20.56	8.13
900	10.35	20.55	22.07	16.72	1.72	0.89	37.55	20.40	8.08
1000	10.30	20.55	21.23	16.24	1.72	0.89	37.79	20.48	8.11
1250	10.20	20.55	19.44	15.08	1.72	0.89	36.92	20.36	8.23
1500	10.08	20.53	18.13	14.11	1.71	0.89	36.12	20.31	8.30
1750	9.97	20.51	17.06	13.27	1.71	0.89	34.94	20.16	8.32
2000	9.83	20.48	16.22	12.59	1.70	0.89	34.20	20.34	8.31
2250	9.69	20.43	15.51	12.00	1.70	0.89	34.10	20.25	8.32
2500	9.55	20.37	14.88	11.55	1.69	0.89	33.66	20.38	8.38
2750	9.42	20.30	14.39	11.22	1.68	0.89	32.59	20.10	8.52
3000	9.29	20.21	14.08	11.04	1.68	0.89	32.19	20.28	8.43
3250	9.14	20.11	13.89	10.90	1.68	0.89	32.36	20.25	8.47
3500	9.01	20.01	13.81	10.77	1.68	0.89	31.80	20.17	8.56
3750	8.87	19.91	13.77	10.68	1.68	0.89	31.11	19.89	8.55
4000	8.72	19.80	13.72	10.68	1.68	0.89	30.71	19.69	8.58
4250	8.57	19.69	13.73	10.74	1.69	0.89	30.45	19.86	8.61
4500	8.43	19.57	13.88	10.90	1.70	0.89	30.14	19.54	8.72
4750	8.30	19.44	14.03	11.21	1.72	0.90	29.54	19.35	8.73
5000	8.15	19.32	14.26	11.54	1.73	0.90	29.04	19.01	8.77
5250	7.99	19.22	14.70	11.84	1.76	0.91	28.82	18.95	8.84
5500	7.83	19.11	14.97	12.27	1.78	0.91	28.53	18.56	8.91
5750	7.66	19.03	15.56	12.58	1.81	0.91	28.19	18.40	8.94
6000	7.48	18.95	16.12	12.92	1.84	0.92	27.80	18.16	8.98
6250	7.29	18.87	16.43	13.36	1.87	0.92	27.77	18.00	9.11
6500	7.10	18.81	16.79	13.69	1.91	0.93	27.47	17.83	9.08
6750	6.89	18.77	16.78	14.14	1.95	0.93	27.39	17.64	9.13
7000	6.66	18.76	16.29	14.25	1.99	0.94	27.01	17.35	9.32
7500	6.14	18.80	14.68	14.19	2.09	0.95	26.66	17.08	9.41
8000	5.57	18.93	12.95	13.44	2.20	0.97	26.40	16.64	9.53