

## 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 = 77.15mA @ 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)
1000	15.33	73.97	3.95	19.34	252.13	1.39	25.44	13.59	8.56
1100	16.33	73.62	4.57	22.35	236.87	1.34	27.22	15.36	8.03
1200	17.06	62.37	5.29	26.47	64.71	1.29	28.38	16.41	7.53
1300	17.59	57.23	6.04	31.74	36.01	1.25	29.00	16.89	7.09
1400	17.94	54.27	6.80	37.33	25.91	1.21	28.90	17.13	6.80
1500	18.18	52.16	7.56	38.24	20.63	1.17	28.78	17.04	6.47
1600	18.29	50.24	8.35	35.58	16.91	1.14	28.67	16.84	6.23
1700	18.35	49.01	9.11	33.11	14.98	1.12	28.59	16.98	6.03
1800	18.35	47.83	9.90	31.99	13.38	1.10	28.76	16.89	5.79
1900	18.33	46.68	10.65	30.87	11.97	1.08	28.71	16.94	5.64
2000	18.29	46.02	11.30	29.71	11.28	1.07	28.31	16.81	5.45
2100	18.25	45.36	12.01	29.22	10.64	1.06	28.03	16.46	5.31
2200	18.18	44.77	12.73	28.56	10.11	1.05	27.65	16.30	5.13
2300	18.14	44.14	13.44	27.41	9.53	1.04	27.60	16.37	5.04
2400	18.16	43.73	14.15	26.67	9.13	1.03	27.35	16.24	4.86
2500	18.10	43.42	14.84	25.98	8.92	1.03	27.12	16.02	4.79
2600	18.12	43.03	15.62	25.16	8.56	1.02	26.91	15.78	4.77
2700	18.13	42.96	16.55	24.70	8.51	1.02	26.70	15.58	4.69
2800	18.17	42.39	17.18	24.13	7.97	1.01	26.42	15.28	4.68
2900	18.22	41.66	17.76	23.54	7.30	1.01	26.24	15.11	4.64
3000	18.28	41.22	18.40	23.21	6.91	1.01	25.81	14.77	4.46
3100	18.32	40.98	18.96	23.34	6.70	1.00	25.68	14.67	4.39
3300	18.46	40.55	19.88	23.49	6.30	1.00	25.18	14.34	4.33
3500	18.61	39.89	20.03	22.61	5.74	1.00	25.18	14.26	4.14
3700	18.89	39.42	19.45	22.55	5.27	1.00	24.95	13.97	4.04
3900	19.22	39.09	18.81	22.12	4.88	1.00	24.75	13.77	3.94
4100	19.52	39.81	18.68	20.45	5.09	1.00	24.50	13.58	3.81
4300	19.87	39.35	18.96	20.66	4.65	0.99	24.45	13.68	3.72
4500	19.70	40.63	19.69	19.17	5.48	0.99	25.20	14.26	3.74
4700	19.51	40.08	18.35	19.80	5.24	1.00	25.82	14.57	3.65
4900	19.19	39.32	17.01	21.70	4.98	1.01	27.09	15.90	3.62
5100	18.59	38.56	15.64	25.81	4.87	1.02	28.45	16.29	3.73
5300	18.05	38.91	13.91	28.82	5.34	1.03	28.75	16.97	3.72
5500	17.17	38.00	13.30	22.91	5.28	1.03	28.97	17.39	3.84
5700	15.72	38.19	12.54	18.59	6.25	1.03	28.12	16.86	4.05
5900	13.96	38.04	12.32	14.98	7.36	1.02	26.46	15.17	4.32
6100	12.12	36.39	11.86	13.47	7.38	1.01	24.23	12.69	4.75
6300	9.95	37.69	12.17	12.02	10.81	0.99	21.21	9.83	5.36
6500	7.64	38.00	12.70	10.93	14.39	0.96	17.47	7.03	6.04



## 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 = 3.90V, Id = 76.12mA @ 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)
1000	14.51	75.72	4.02	18.90	342.73	1.38	24.45	12.68	8.63
1100	15.44	68.86	4.64	21.67	152.95	1.33	25.99	14.35	8.13
1200	16.14	60.42	5.35	25.35	57.83	1.29	27.11	15.43	7.67
1300	16.65	56.23	6.07	29.42	35.83	1.25	27.57	15.94	7.22
1400	17.02	53.61	6.80	32.00	26.73	1.21	27.61	16.17	6.93
1500	17.28	51.62	7.53	31.18	21.48	1.17	27.50	16.17	6.60
1600	17.42	49.79	8.28	29.01	17.68	1.15	27.53	16.08	6.40
1700	17.52	48.57	9.00	27.03	15.59	1.12	27.38	16.13	6.20
1800	17.55	47.37	9.74	25.82	13.85	1.10	27.64	16.09	5.96
1900	17.56	46.22	10.44	24.78	12.32	1.08	27.62	16.14	5.79
2000	17.55	45.53	11.04	23.87	11.53	1.07	27.34	15.98	5.64
2100	17.53	44.86	11.70	23.43	10.82	1.06	27.13	15.80	5.44
2200	17.48	44.23	12.37	23.11	10.22	1.05	26.74	15.68	5.34
2300	17.45	43.57	13.00	22.61	9.58	1.04	26.60	15.57	5.20
2400	17.48	43.13	13.63	22.33	9.14	1.03	26.29	15.42	5.04
2500	17.43	42.80	14.24	22.09	8.90	1.03	26.21	15.32	4.96
2600	17.44	42.38	14.93	21.78	8.52	1.02	25.91	14.97	4.93
2700	17.45	42.25	15.72	21.78	8.42	1.02	25.78	14.88	4.86
2800	17.48	41.69	16.24	21.42	7.89	1.01	25.62	14.58	4.85
2900	17.52	40.96	16.71	20.98	7.24	1.01	25.36	14.48	4.82
3000	17.57	40.55	17.23	20.79	6.88	1.01	25.11	14.20	4.61
3100	17.59	40.34	17.72	20.86	6.72	1.00	24.94	14.09	4.52
3300	17.69	39.98	18.55	21.09	6.39	1.00	24.56	13.79	4.47
3500	17.81	39.34	18.74	20.09	5.86	1.00	24.33	13.72	4.29
3700	18.07	38.97	18.47	19.44	5.44	1.00	24.17	13.39	4.19
3900	18.40	38.68	18.15	18.32	5.05	0.99	23.97	13.15	4.09
4100	18.71	39.39	18.29	16.49	5.25	0.99	23.92	13.03	3.98
4300	19.09	38.84	18.79	16.21	4.72	0.98	23.82	13.12	3.81
4500	19.02	39.43	19.75	15.55	5.07	0.98	24.41	13.63	3.84
4700	18.95	39.07	18.63	15.89	4.90	0.98	24.90	14.08	3.72
4900	18.59	38.36	17.07	17.35	4.72	0.99	26.02	14.82	3.77
5100	18.24	37.63	15.36	21.19	4.53	1.01	27.23	16.00	3.75
5300	17.42	37.35	13.58	28.35	4.78	1.03	28.06	16.31	3.80
5500	16.35	37.06	12.63	25.25	5.17	1.04	27.49	16.43	3.94
5700	14.62	37.46	11.95	18.42	6.46	1.04	26.62	15.78	4.14
5900	12.57	37.10	11.78	14.95	7.69	1.02	24.77	13.77	4.54
6100	10.56	35.81	11.41	13.21	8.17	1.01	22.31	11.29	5.02
6300	8.35	36.17	11.76	12.13	10.86	0.99	19.11	8.51	5.64
6500	6.03	36.80	12.24	11.07	15.05	0.97	15.12	5.59	6.48

## 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 = 77.36mA @ 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)
1000	15.44	73.48	3.93	19.45	234.99	1.39	25.55	13.74	8.54
1100	16.44	74.11	4.55	22.51	246.75	1.34	27.37	15.51	8.00
1200	17.19	62.81	5.27	26.68	67.01	1.29	28.50	16.54	7.54
1300	17.71	57.37	6.02	31.99	36.02	1.25	29.10	17.03	7.07
1400	18.06	54.35	6.79	37.74	25.77	1.21	29.16	17.25	6.79
1500	18.29	52.22	7.56	39.12	20.51	1.17	28.90	17.15	6.44
1600	18.39	50.30	8.35	36.88	16.83	1.15	28.75	16.94	6.19
1700	18.45	49.08	9.12	34.58	14.93	1.12	28.72	17.07	6.00
1800	18.44	47.90	9.91	33.65	13.36	1.10	28.94	16.99	5.78
1900	18.41	46.75	10.66	32.53	11.96	1.08	28.78	17.04	5.62
2000	18.37	46.09	11.31	31.21	11.28	1.07	28.50	16.91	5.48
2100	18.32	45.45	12.03	30.58	10.66	1.06	28.15	16.56	5.28
2200	18.25	44.85	12.76	29.64	10.13	1.05	27.70	16.36	5.15
2300	18.20	44.22	13.47	28.15	9.55	1.04	27.69	16.49	5.00
2400	18.22	43.83	14.19	27.17	9.17	1.03	27.53	16.33	4.87
2500	18.16	43.53	14.89	26.30	8.98	1.03	27.22	16.10	4.78
2600	18.17	43.16	15.69	25.32	8.63	1.02	26.96	15.86	4.74
2700	18.19	43.08	16.63	24.67	8.58	1.02	26.77	15.64	4.68
2800	18.22	42.52	17.28	24.06	8.04	1.01	26.49	15.37	4.65
2900	18.28	41.77	17.87	23.47	7.34	1.01	26.32	15.18	4.63
3000	18.34	41.35	18.52	23.11	6.96	1.01	25.87	14.85	4.44
3100	18.38	41.13	19.12	23.19	6.77	1.00	25.72	14.73	4.35
3300	18.52	40.71	20.07	23.12	6.37	1.00	25.27	14.43	4.29
3500	18.68	40.04	20.22	22.34	5.79	1.00	25.27	14.37	4.11
3700	18.97	39.58	19.65	22.29	5.31	1.00	25.05	14.06	4.05
3900	19.31	39.21	18.98	22.19	4.89	1.00	24.76	13.85	3.96
4100	19.61	40.11	18.94	20.73	5.22	1.00	24.59	13.64	3.83
4300	19.95	39.58	19.21	21.42	4.74	1.00	24.52	13.70	3.77
4500	19.76	40.48	19.99	20.18	5.36	0.99	25.22	14.31	3.73
4700	19.57	40.31	18.52	20.68	5.36	1.00	25.88	14.68	3.70
4900	19.10	39.64	17.00	22.12	5.22	1.01	26.94	15.99	3.71
5100	18.73	38.93	15.59	26.83	5.01	1.02	28.32	16.40	3.57
5300	18.03	38.76	14.06	27.76	5.26	1.03	28.61	17.00	3.71
5500	17.24	38.29	13.32	22.26	5.40	1.03	29.17	17.52	3.89
5700	15.85	38.74	12.63	17.90	6.55	1.03	28.45	16.98	4.00
5900	14.10	38.03	12.46	14.77	7.24	1.01	26.79	15.41	4.28
6100	12.31	36.55	11.94	13.25	7.35	1.00	24.60	12.96	4.73
6300	10.19	37.25	12.26	11.90	9.98	0.98	21.46	10.08	5.26
6500	7.86	38.26	12.83	10.71	14.42	0.96	17.82	7.24	6.02