

## Typical Performance Data

**NOTE: Use PDF Bookmarks to view DATA at required conditions  
or to view GRAPHS.**

**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=106mA @Temperature = +25degC

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP3 Output	1dB Comp. Output	FREQ	Noise Figure
					K	Delta				
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Delta	(dBm)	(dBm)	(MHz)	(dB)
50	24.18	31.36	21.65	24.37	1.34	0.43	36.98	20.73	50	5.53
100	24.11	31.36	21.72	23.67	1.35	0.43	36.83	20.77	100	5.65
200	23.98	31.07	21.79	20.65	1.33	0.44	36.80	20.73	200	5.65
400	23.62	30.73	21.59	16.17	1.32	0.44	36.48	20.89	400	5.77
600	23.07	30.40	21.19	13.38	1.31	0.43	36.05	20.71	600	5.70
800	22.44	29.97	20.64	11.57	1.31	0.42	36.17	20.74	800	5.78
1000	21.77	29.47	20.14	10.29	1.30	0.42	36.37	20.77	1000	5.73
1200	21.08	28.90	19.70	9.36	1.28	0.41	36.34	20.59	1200	5.71
1400	20.41	28.38	19.28	8.68	1.27	0.41	36.37	20.60	1400	5.73
1600	19.75	27.89	18.96	8.17	1.27	0.40	36.90	20.76	1600	5.75
1800	19.12	27.33	18.76	7.80	1.26	0.40	37.15	20.73	1800	5.69
2000	18.57	26.79	18.60	7.50	1.24	0.39	37.30	20.88	2000	5.67
2200	18.02	26.31	18.65	7.36	1.24	0.39	37.15	21.00	2200	5.66
2400	17.54	26.01	18.62	7.23	1.24	0.38	36.78	21.02	2400	5.63
2600	17.10	25.53	18.65	7.15	1.23	0.37	36.47	21.08	2600	5.59
2800	16.70	25.04	18.75	7.12	1.22	0.37	36.63	21.24	2800	5.59
3000	16.34	24.75	18.76	7.05	1.22	0.37	36.53	21.18	3000	5.70
3200	15.99	24.48	18.96	7.09	1.22	0.36	36.27	21.06	3200	5.62
3400	15.73	24.11	18.90	7.08	1.21	0.36	36.28	20.92	3400	5.70
3600	15.45	23.78	18.89	7.04	1.20	0.36	36.25	20.85	3600	5.64
3800	15.20	23.55	19.03	7.07	1.20	0.36	35.37	20.59	3800	5.77
4000	14.97	23.32	19.18	7.09	1.21	0.36	34.81	20.24	4000	5.82
4200	14.73	23.13	19.27	7.05	1.21	0.36	34.94	20.08	4200	6.09
4400	14.51	23.02	19.34	7.00	1.22	0.36	35.34	19.97	4400	5.93
4600	14.33	22.84	19.13	6.90	1.22	0.36	35.00	19.83	4600	5.93
4800	14.08	22.74	18.84	6.76	1.23	0.36	34.78	19.38	4800	5.84
5000	13.90	22.80	18.86	6.72	1.26	0.36	34.75	19.02	5000	6.04
5200	13.68	22.78	18.20	6.56	1.27	0.36	34.44	18.79	5200	6.18
5400	13.44	22.73	17.65	6.38	1.28	0.36	34.15	18.55	5400	6.30
5600	13.21	22.78	17.20	6.22	1.31	0.36	33.77	18.36	5600	6.26
5800	12.94	22.83	16.26	6.07	1.34	0.35	34.05	18.10	5800	6.18
6000	12.67	23.02	15.66	5.98	1.38	0.35	33.34	17.40	6000	6.33
6400	11.97	23.14	14.33	5.76	1.48	0.35	33.17	15.49	7000	6.78
6600	11.53	23.32	13.52	5.73	1.56	0.34	32.42	15.67	7500	6.99
6800	11.02	23.67	12.54	5.57	1.67	0.33	32.08	15.69	8000	7.42
7000	10.48	23.58	11.89	5.56	1.74	0.34	32.01	15.58	8500	8.07
7500	8.76	23.41	10.29	5.65	2.01	0.33	31.65	13.94	9500	9.06
8000	6.90	23.07	8.76	5.63	2.26	0.33	30.50	13.46	10000	9.32

## 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 = 4.75V, Id=92mA @Temperature = +25degC

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP3 Output	1dB Comp. Output	FREQ	Noise Figure
					K	Delta				
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Delta	(dBm)	(dBm)	(MHz)	(dB)
50	24.01	30.66	23.55	22.45	1.29	0.46	34.47	19.75	50	5.39
100	23.94	30.94	23.43	21.88	1.33	0.44	34.28	19.78	100	5.51
200	23.80	30.69	23.32	19.66	1.31	0.45	34.34	19.73	200	5.51
400	23.46	30.71	22.93	15.79	1.33	0.43	34.14	19.80	400	5.62
600	22.92	30.33	22.08	13.18	1.32	0.42	33.91	19.66	600	5.55
800	22.29	29.85	21.27	11.43	1.30	0.42	34.24	19.66	800	5.68
1000	21.63	29.23	20.55	10.18	1.28	0.42	34.53	19.73	1000	5.60
1200	20.95	28.76	19.94	9.27	1.28	0.41	34.53	19.48	1200	5.58
1400	20.28	28.20	19.36	8.60	1.26	0.40	34.58	19.56	1400	5.61
1600	19.62	27.69	18.97	8.09	1.25	0.40	35.22	19.70	1600	5.63
1800	19.00	27.16	18.65	7.72	1.24	0.39	35.57	19.73	1800	5.56
2000	18.44	26.64	18.45	7.42	1.23	0.39	35.77	19.89	2000	5.51
2200	17.90	26.30	18.43	7.27	1.24	0.38	35.66	20.05	2200	5.52
2400	17.42	25.79	18.40	7.15	1.22	0.38	35.51	20.12	2400	5.45
2600	16.99	25.40	18.40	7.07	1.22	0.37	35.22	20.11	2600	5.46
2800	16.59	24.99	18.43	7.05	1.21	0.37	35.17	20.27	2800	5.45
3000	16.22	24.68	18.40	6.96	1.21	0.36	35.20	20.37	3000	5.53
3200	15.88	24.38	18.59	7.01	1.22	0.36	35.12	20.21	3200	5.49
3400	15.61	24.05	18.51	6.99	1.21	0.36	35.11	20.12	3400	5.58
3600	15.33	23.74	18.52	6.97	1.20	0.36	35.04	20.09	3600	5.48
3800	15.08	23.55	18.64	7.01	1.21	0.35	34.06	19.85	3800	5.63
4000	14.86	23.24	18.79	7.02	1.20	0.36	33.57	19.51	4000	5.64
4200	14.61	23.10	18.89	7.00	1.21	0.35	33.60	19.39	4200	5.91
4400	14.39	22.97	18.98	6.97	1.22	0.35	33.88	19.25	4400	5.74
4600	14.21	22.80	18.77	6.87	1.22	0.36	33.46	19.13	4600	5.78
4800	13.96	22.70	18.53	6.74	1.23	0.36	33.49	18.70	4800	5.69
5000	13.76	22.78	18.54	6.71	1.27	0.35	33.31	18.39	5000	5.87
5200	13.54	22.73	17.94	6.57	1.28	0.35	32.92	18.15	5200	6.01
5400	13.29	22.70	17.42	6.38	1.30	0.35	32.74	17.86	5400	6.11
5600	13.05	22.72	16.99	6.24	1.32	0.35	32.27	17.71	5600	6.08
5800	12.78	22.84	16.09	6.11	1.36	0.35	32.08	17.43	5800	6.01
6000	12.50	23.03	15.54	6.02	1.41	0.34	32.02	16.81	6000	6.14
6200	12.13	23.16	14.74	5.88	1.46	0.34	32.17	15.01	6500	6.15
6400	11.80	23.12	14.23	5.83	1.50	0.34	31.48	14.85	7000	6.57
6600	11.34	23.32	13.43	5.79	1.59	0.33	31.17	15.02	7500	6.79
6800	10.84	23.67	12.50	5.64	1.71	0.33	30.63	15.09	8000	7.19
7000	10.31	23.56	11.85	5.63	1.77	0.33	30.70	15.01	8500	7.84
7500	8.59	23.39	10.27	5.74	2.05	0.33	30.21	13.37	9500	8.88
8000	6.74	23.06	8.75	5.72	2.31	0.33	29.19	13.00	10000	8.98

## 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 = 5.25V, Id=121mA @Temperature = +25degC

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP3 Output	1dB Comp. Output	FREQ	Noise Figure
					K	Delta				
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Delta	(dBm)	(dBm)	(MHz)	(dB)
50	24.30	31.09	20.87	26.72	1.31	0.45	39.25	21.50	50	5.65
100	24.23	30.81	20.63	25.17	1.28	0.47	39.11	21.55	100	5.77
200	24.09	31.45	20.75	21.34	1.36	0.43	38.96	21.53	200	5.78
400	23.74	31.14	20.72	16.43	1.35	0.43	38.46	21.65	400	5.88
600	23.18	30.63	20.46	13.52	1.33	0.43	37.68	21.51	600	5.83
800	22.55	30.13	20.16	11.67	1.32	0.42	37.47	21.52	800	5.92
1000	21.87	29.60	19.81	10.38	1.30	0.42	37.58	21.52	1000	5.87
1200	21.18	29.05	19.48	9.43	1.29	0.41	37.44	21.41	1200	5.86
1400	20.50	28.51	19.17	8.76	1.28	0.41	37.34	21.40	1400	5.88
1600	19.83	27.90	18.93	8.25	1.27	0.41	37.72	21.52	1600	5.88
1800	19.22	27.46	18.78	7.88	1.27	0.40	37.83	21.48	1800	5.82
2000	18.66	26.99	18.68	7.58	1.26	0.39	38.02	21.61	2000	5.77
2200	18.11	26.45	18.75	7.42	1.25	0.39	37.65	21.73	2200	5.80
2400	17.63	26.03	18.77	7.31	1.25	0.38	37.36	21.74	2400	5.75
2600	17.19	25.59	18.82	7.22	1.24	0.38	36.99	21.77	2600	5.73
2800	16.79	25.21	18.92	7.18	1.23	0.37	37.21	21.90	2800	5.75
3000	16.42	24.80	18.96	7.12	1.22	0.37	37.11	21.88	3000	5.83
3200	16.08	24.53	19.18	7.15	1.23	0.36	36.82	21.67	3200	5.77
3400	15.81	24.14	19.12	7.14	1.21	0.37	36.72	21.44	3400	5.86
3600	15.53	23.86	19.17	7.10	1.21	0.36	36.74	21.18	3600	5.78
3800	15.28	23.64	19.31	7.12	1.21	0.36	36.04	20.90	3800	5.91
4000	15.05	23.40	19.44	7.13	1.21	0.36	35.41	20.53	4000	5.96
4200	14.82	23.18	19.53	7.10	1.21	0.36	35.26	20.39	4200	6.26
4400	14.60	23.09	19.60	7.05	1.23	0.36	35.66	20.25	4400	6.08
4600	14.43	22.92	19.34	6.95	1.22	0.36	35.67	20.11	4600	6.09
4800	14.18	22.79	19.07	6.78	1.23	0.37	35.31	19.62	4800	6.00
5000	14.00	22.79	19.05	6.74	1.25	0.36	35.36	19.26	5000	6.20
5200	13.78	22.74	18.38	6.58	1.26	0.36	35.18	19.03	5200	6.36
5400	13.54	22.80	17.78	6.38	1.28	0.36	35.06	18.81	5400	6.48
5600	13.31	22.77	17.31	6.22	1.30	0.36	34.40	18.59	5600	6.44
5800	13.05	22.90	16.37	6.05	1.33	0.36	34.73	18.31	5800	6.38
6000	12.79	23.08	15.76	5.96	1.38	0.35	34.37	17.62	6000	6.52
6200	12.42	23.17	14.91	5.78	1.42	0.35	34.52	16.09	6500	6.53
6400	12.11	23.15	14.38	5.70	1.46	0.35	34.25	15.90	7000	6.99
6600	11.66	23.35	13.56	5.67	1.54	0.34	33.24	16.18	7500	7.21
6800	11.15	23.67	12.57	5.52	1.65	0.34	33.37	16.18	8000	7.64
7000	10.62	23.60	11.90	5.49	1.72	0.34	33.32	15.98	8500	8.28
7500	8.91	23.46	10.30	5.60	1.99	0.34	33.18	14.14	9500	9.34
8000	7.03	23.08	8.76	5.57	2.23	0.34	31.20	13.73	10000	9.56