

*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 = 8.00V, Id = 183.37mA @ 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	13.67	50.28	16.01	12.11	30.95	0.96	31.24	22.39	6.09
1500	13.30	47.25	14.95	12.25	22.67	0.97	31.52	22.36	5.20
2000	13.29	45.03	14.31	12.93	17.65	0.98	29.63	22.58	5.29
2500	13.33	43.28	13.86	13.84	14.47	1.00	31.26	22.74	5.30
3000	13.34	41.88	13.65	14.94	12.41	1.01	31.47	22.84	5.08
3500	13.32	40.80	13.76	16.19	11.09	1.01	31.48	23.00	4.38
4000	13.31	39.84	14.26	17.65	10.07	1.02	31.41	23.10	3.66
4500	13.34	39.09	15.18	19.32	9.32	1.01	31.43	22.90	3.27
5000	13.41	38.40	16.45	21.20	8.64	1.01	30.95	23.03	3.41
5500	13.49	37.80	18.15	23.23	8.08	1.01	31.81	23.22	3.30
6000	13.57	37.28	20.28	25.21	7.60	1.00	31.19	23.32	3.09
6500	13.63	36.84	22.66	27.02	7.22	1.00	30.89	23.35	2.93
7000	13.66	36.44	24.27	28.43	6.89	1.00	30.56	23.06	2.86
7500	13.69	36.06	24.38	29.28	6.58	1.00	31.16	23.10	2.94
8000	13.69	35.68	24.04	29.18	6.29	1.00	30.99	23.09	3.03
8500	13.70	35.26	24.39	27.88	5.99	1.00	29.72	22.86	3.08
9000	13.71	34.78	25.97	25.72	5.67	0.99	30.29	22.68	3.08
9500	13.73	34.26	27.38	23.34	5.32	0.99	30.14	22.56	2.96
10000	13.73	33.72	23.59	21.07	4.98	0.99	29.78	22.41	3.15
10500	13.67	33.17	18.69	19.06	4.65	0.99	29.66	22.46	3.20
11000	13.55	32.66	14.97	17.43	4.36	1.00	29.40	22.33	3.16
11500	13.33	32.33	12.38	16.23	4.19	1.01	28.81	22.27	3.12
12000	13.14	31.79	10.94	15.78	3.93	1.03	29.21	22.33	3.20
12500	12.97	31.20	9.84	15.41	3.67	1.04	29.03	22.17	3.37
13000	12.83	30.87	9.38	15.57	3.55	1.05	29.17	22.22	3.84
13500	12.79	30.59	9.39	16.34	3.46	1.06	28.83	22.17	3.86
14000	12.82	30.29	9.57	17.90	3.37	1.06	28.48	22.00	4.01
14500	12.91	29.88	9.99	20.66	3.24	1.06	28.55	21.97	4.07
15000	13.10	29.34	10.80	26.10	3.06	1.05	28.16	21.89	4.05
15500	13.29	28.67	12.14	36.47	2.84	1.03	27.88	21.86	4.13
16000	13.39	28.07	14.42	23.41	2.69	1.00	27.28	21.78	4.22
16500	13.36	27.72	17.26	19.02	2.63	0.97	27.34	21.44	4.37
17000	13.25	27.58	18.79	16.97	2.63	0.95	27.13	21.31	4.32
17500	13.11	27.60	17.86	16.47	2.66	0.95	26.57	21.41	4.48
18000	12.98	27.72	16.17	16.65	2.72	0.96	26.13	21.20	4.52
18500	12.89	27.95	14.57	17.14	2.79	0.97	26.65	20.92	4.61
19000	12.78	28.27	13.37	17.34	2.90	0.99	26.03	21.08	4.84
19500	12.71	28.58	12.70	16.81	2.99	1.00	25.74	20.62	4.93
20000	12.73	28.80	12.08	16.34	3.03	1.00	25.30	20.69	5.10
20500	12.77	28.89	11.99	16.55	3.04	1.00	24.49	20.05	5.52
21000	12.79	28.82	12.75	18.20	3.05	1.01	24.16	20.05	5.74
21500	12.70	28.64	14.25	21.07	3.07	1.01	23.57	19.77	6.25
22000	12.39	28.46	15.52	18.89	3.11	1.00	23.12	19.43	6.67
22500	11.78	28.35	14.17	14.68	3.21	0.98	22.72	19.57	7.52
23000	11.00	28.26	11.89	12.54	3.33	0.98	22.81	19.10	7.86
23500	10.22	28.12	10.44	11.86	3.47	0.99	22.35	18.53	7.77
24000	9.55	27.94	9.99	12.08	3.64	1.00	21.99	17.75	7.97

*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 = 8.00V, Id = 178.07mA @ 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)
1000	14.26	50.12	15.75	11.95	28.27	0.96	31.53	22.33	5.19
1500	13.88	47.46	14.67	12.00	21.61	0.97	30.70	22.28	4.35
2000	13.89	44.89	14.12	12.76	16.15	0.98	31.22	22.48	4.51
2500	13.96	43.18	13.86	13.81	13.31	1.00	30.63	22.64	4.46
3000	14.01	41.76	13.78	14.97	11.35	1.01	31.56	22.77	4.25
3500	14.03	40.65	13.92	16.02	10.05	1.01	31.48	22.94	3.53
4000	14.04	39.59	14.37	17.15	8.99	1.01	31.13	23.06	2.95
4500	14.04	38.85	15.16	18.51	8.36	1.01	31.62	22.83	2.61
5000	14.06	38.33	16.16	20.08	7.95	1.01	30.99	22.99	2.88
5500	14.10	37.50	17.77	21.99	7.26	1.00	31.69	23.20	2.78
6000	14.15	37.16	19.54	22.98	7.00	1.00	31.64	23.26	2.53
6500	14.21	36.61	21.19	23.76	6.55	1.00	30.55	23.38	2.36
7000	14.27	36.36	22.14	25.27	6.34	1.00	31.36	23.01	2.31
7500	14.33	35.83	21.90	28.57	5.94	1.00	30.88	23.10	2.32
8000	14.37	35.53	21.54	33.38	5.71	1.00	31.29	23.14	2.36
8500	14.41	34.98	21.57	34.93	5.34	1.00	30.99	22.91	2.43
9000	14.46	34.45	22.89	29.25	5.01	0.99	30.95	22.75	2.42
9500	14.48	33.85	24.42	25.34	4.67	0.99	30.57	22.72	2.31
10000	14.48	33.30	23.00	22.67	4.37	0.99	30.14	22.50	2.50
10500	14.45	32.79	18.61	20.03	4.10	0.99	29.43	22.59	2.40
11000	14.31	32.44	14.73	17.71	3.91	1.00	29.32	22.45	2.31
11500	14.10	32.25	12.30	16.06	3.80	1.01	28.92	22.37	2.42
12000	13.95	31.72	10.83	15.50	3.56	1.02	29.79	22.43	2.41
12500	13.82	31.08	9.76	15.40	3.29	1.04	29.08	22.26	2.59
13000	13.68	30.67	9.21	15.64	3.15	1.05	29.55	22.28	3.03
13500	13.61	30.21	8.87	16.23	3.00	1.07	29.60	22.27	2.91
14000	13.60	29.96	8.90	16.62	2.93	1.07	29.53	22.14	3.11
14500	13.73	29.53	9.20	17.81	2.79	1.06	29.06	22.10	3.00
15000	13.92	29.04	9.50	20.91	2.62	1.06	29.12	22.02	3.02
15500	14.19	28.44	10.83	31.02	2.46	1.04	28.93	22.02	3.08
16000	14.33	27.89	12.86	26.16	2.36	1.01	28.46	21.95	3.19
16500	14.36	27.41	15.76	18.47	2.27	0.96	28.00	21.52	3.26
17000	14.31	27.22	18.48	16.36	2.26	0.93	27.79	21.34	3.24
17500	14.25	27.11	18.19	16.10	2.24	0.93	27.14	21.57	3.39
18000	14.18	27.17	16.55	17.35	2.27	0.94	27.79	21.30	3.50
18500	14.08	27.29	14.79	17.81	2.31	0.96	27.46	21.12	3.58
19000	14.00	27.57	12.92	16.46	2.35	0.97	27.03	21.36	3.84
19500	13.94	27.88	11.35	14.98	2.38	0.98	26.99	20.91	3.79
20000	13.92	28.16	10.64	14.59	2.42	0.99	26.84	20.97	3.88
20500	13.98	28.18	10.43	15.18	2.41	1.00	26.16	20.21	4.26
21000	14.15	28.04	11.02	16.83	2.37	1.00	25.59	20.15	4.38
21500	14.18	27.77	12.83	20.37	2.36	1.00	25.05	19.71	4.89
22000	13.97	27.47	15.12	20.30	2.36	0.98	24.49	19.37	5.19
22500	13.41	27.36	14.31	14.67	2.41	0.96	24.31	19.40	5.95
23000	12.55	27.36	11.32	11.16	2.49	0.94	23.72	18.99	6.24
23500	11.61	27.49	9.25	9.80	2.64	0.94	24.20	18.44	6.19
24000	10.82	27.43	8.30	9.96	2.79	0.97	24.00	17.70	6.11

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 = 8.00V, Id = 181.28mA @ Temperature = +60°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	13.37	49.77	16.15	12.25	30.28	0.96	31.06	22.24	6.45
1500	13.02	47.44	15.00	12.36	23.97	0.97	31.40	22.29	5.57
2000	13.03	44.96	14.31	13.06	18.08	0.99	31.19	22.52	5.73
2500	13.07	42.98	13.81	14.02	14.42	1.00	30.83	22.68	5.70
3000	13.07	41.76	13.56	15.11	12.63	1.01	30.70	22.78	5.59
3500	13.05	40.59	13.64	16.19	11.16	1.02	31.14	22.94	4.77
4000	13.01	39.84	14.20	17.59	10.41	1.02	31.29	22.99	4.04
4500	13.03	39.06	15.26	19.38	9.64	1.01	31.37	22.82	3.72
5000	13.10	38.50	16.46	21.70	9.07	1.01	30.56	22.99	3.91
5500	13.20	37.71	18.23	24.20	8.28	1.01	31.21	23.11	3.79
6000	13.27	37.16	20.38	25.67	7.76	1.00	30.98	23.18	3.51
6500	13.34	36.97	22.93	26.40	7.57	1.00	30.91	23.28	3.32
7000	13.37	36.40	25.01	27.58	7.08	1.00	30.94	22.93	3.24
7500	13.38	36.10	25.28	28.60	6.84	1.00	30.99	22.99	3.31
8000	13.38	35.59	25.07	27.71	6.45	1.00	29.74	22.87	3.39
8500	13.37	35.39	25.39	25.52	6.31	0.99	30.70	22.69	3.40
9000	13.38	34.81	26.83	23.62	5.90	0.99	30.59	22.52	3.40
9500	13.39	34.39	27.06	22.24	5.61	0.99	30.00	22.41	3.39
10000	13.38	33.70	22.98	20.77	5.17	0.99	30.10	22.18	3.60
10500	13.33	33.20	18.39	18.95	4.85	0.99	30.02	22.25	3.51
11000	13.19	32.63	14.77	17.19	4.52	1.00	29.90	22.14	3.52
11500	12.97	32.29	12.42	15.85	4.33	1.01	29.23	22.06	3.58
12000	12.77	31.85	10.98	15.57	4.12	1.03	29.49	22.13	3.56
12500	12.62	31.06	9.99	15.74	3.77	1.04	29.24	21.96	3.66
13000	12.50	30.78	9.68	16.37	3.69	1.06	29.29	21.97	4.20
13500	12.49	30.55	9.62	17.58	3.61	1.06	29.33	21.97	4.19
14000	12.50	30.37	9.82	18.84	3.56	1.07	29.13	21.84	4.40
14500	12.58	29.91	10.26	21.22	3.39	1.06	28.79	21.77	4.42
15000	12.72	29.34	10.88	26.39	3.19	1.05	28.64	21.67	4.40
15500	12.93	28.57	12.50	37.49	2.94	1.03	27.52	21.63	4.46
16000	12.98	28.05	14.84	22.41	2.81	1.00	28.13	21.54	4.56
16500	12.90	27.71	17.12	17.85	2.75	0.97	27.17	21.18	4.70
17000	12.79	27.67	18.50	16.43	2.78	0.95	27.64	21.04	4.71
17500	12.67	27.59	17.84	16.58	2.79	0.96	26.87	21.23	4.93
18000	12.54	27.77	16.18	17.53	2.87	0.97	27.04	20.94	5.01
18500	12.39	28.01	14.75	17.86	2.98	0.98	27.39	20.76	5.17
19000	12.29	28.32	13.84	17.46	3.09	0.99	26.98	20.91	5.36
19500	12.22	28.64	12.96	16.57	3.18	0.99	26.20	20.38	5.47
20000	12.21	28.96	12.63	16.57	3.29	1.00	25.89	20.49	5.60
20500	12.22	28.98	12.58	17.48	3.30	1.01	25.53	19.76	6.04
21000	12.26	28.95	12.93	19.22	3.29	1.01	24.74	19.73	6.18
21500	12.14	28.79	14.38	22.25	3.32	1.01	24.41	19.44	6.56
22000	11.78	28.64	15.32	19.50	3.40	1.00	24.11	19.21	6.94
22500	11.18	28.48	13.83	15.09	3.47	0.99	24.04	19.30	7.66
23000	10.45	28.38	12.03	12.61	3.60	0.98	23.77	18.97	8.01
23500	9.72	28.21	10.93	11.74	3.73	0.98	23.60	18.42	7.96
24000	9.08	27.88	10.37	12.19	3.85	1.00	23.44	17.83	8.10