

*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 = 238.6mA @ 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)
1	24.97	29.26	11.12	11.36	1.07	0.54	43.13	26.04	2.87
3	25.28	28.80	14.51	23.20	1.06	0.57	43.39	26.30	1.84
5	25.24	28.59	15.09	37.21	1.05	0.57	43.52	26.50	1.49
7	25.15	28.36	15.28	32.70	1.04	0.56	43.54	26.43	1.52
9	25.03	28.12	15.40	26.52	1.03	0.55	43.68	26.69	1.35
10	24.96	27.99	15.46	24.99	1.03	0.54	43.84	26.67	1.29
20	24.32	27.03	15.66	18.71	1.01	0.50	43.63	27.35	1.26
30	23.90	26.52	15.88	17.14	1.01	0.46	44.41	27.81	1.22
40	23.67	26.28	16.02	16.47	1.02	0.45	44.60	27.92	1.11
50	23.53	26.14	16.09	16.24	1.02	0.44	44.46	28.03	1.10
60	23.43	26.05	16.15	16.10	1.03	0.43	44.51	28.15	1.13
70	23.37	26.00	16.14	16.00	1.03	0.43	45.52	28.16	1.09
80	23.33	25.98	16.25	16.00	1.03	0.43	44.90	28.15	1.08
90	23.29	25.96	16.27	16.00	1.03	0.43	45.41	28.23	1.07
100	23.27	25.95	16.33	16.09	1.03	0.43	45.47	28.23	1.09
150	23.20	25.93	16.55	16.58	1.04	0.44	45.59	28.42	1.10
200	23.15	25.96	16.82	17.39	1.04	0.46	45.52	28.43	1.07
250	23.09	26.00	17.15	18.41	1.05	0.48	44.98	28.52	1.02
300	23.03	26.05	17.48	20.08	1.05	0.50	45.79	28.76	1.04
350	22.97	26.12	17.78	22.35	1.06	0.52	45.52	28.67	1.06
400	22.89	26.21	18.14	25.60	1.06	0.54	45.26	28.89	1.08
450	22.78	26.32	18.31	30.40	1.07	0.57	44.89	28.79	1.09
500	22.64	26.48	18.35	29.28	1.08	0.61	44.15	28.87	1.14
550	22.36	26.78	17.64	23.27	1.11	0.66	44.60	28.68	1.13
600	22.23	27.30	15.25	22.28	1.16	0.75	44.48	28.60	1.15
650	22.09	27.12	15.31	25.68	1.14	0.72	45.14	28.87	1.13
700	22.11	27.15	15.69	20.08	1.14	0.71	45.40	28.86	1.14
750	21.97	27.35	15.56	16.87	1.15	0.72	45.32	28.77	1.17
800	21.76	27.63	15.08	14.65	1.17	0.74	44.99	28.56	1.19
850	21.47	27.99	14.38	12.90	1.20	0.76	44.83	28.41	1.21
900	21.08	28.47	13.48	11.41	1.25	0.79	44.34	27.99	1.27
950	20.51	29.15	12.33	10.10	1.33	0.82	43.25	27.34	1.27
1000	19.64	30.16	10.86	9.00	1.48	0.87	41.51	26.46	1.30
1050	18.27	31.71	9.19	8.30	1.80	0.94	40.54	25.41	1.36
1100	16.71	33.41	7.59	8.58	2.36	1.03	40.36	25.66	1.47
1150	16.85	33.15	6.66	10.83	2.34	1.12	43.50	26.64	1.55
1200	18.23	31.71	6.46	16.08	1.88	1.16	45.12	27.62	1.64

Note: Test data of Die packaged in industry standard SOT-89 package

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 = 7.60V, Id = 226.05mA @ 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)
1	24.96	29.26	11.07	11.38	1.07	0.55	43.10	25.53	--
3	25.26	28.80	14.41	23.26	1.06	0.57	43.46	25.78	--
5	25.22	28.59	14.97	37.86	1.05	0.57	43.53	25.85	--
7	25.13	28.36	15.16	32.77	1.04	0.56	43.64	26.06	--
9	25.01	28.12	15.31	26.50	1.03	0.55	43.77	26.05	--
10	24.94	27.99	15.41	24.97	1.03	0.54	43.90	26.02	1.25
20	24.31	27.02	15.65	18.68	1.01	0.49	44.32	26.89	1.22
30	23.88	26.51	15.89	17.12	1.01	0.46	45.14	27.37	1.18
40	23.65	26.27	16.07	16.43	1.02	0.45	45.96	27.49	1.07
50	23.52	26.12	16.19	16.22	1.02	0.44	45.11	27.60	1.07
60	23.42	26.05	16.24	16.08	1.03	0.43	44.75	27.73	1.09
70	23.36	26.00	16.21	15.96	1.03	0.43	45.60	27.72	1.05
80	23.31	25.97	16.27	15.96	1.03	0.43	45.45	27.80	1.06
90	23.28	25.94	16.33	15.97	1.03	0.43	45.41	27.80	1.05
100	23.26	25.93	16.40	16.05	1.03	0.43	45.66	27.78	1.07
150	23.19	25.92	16.65	16.54	1.04	0.44	45.38	27.98	1.07
200	23.14	25.94	16.92	17.33	1.04	0.46	45.30	28.08	1.05
250	23.08	25.98	17.24	18.34	1.05	0.47	44.94	28.07	0.99
300	23.02	26.03	17.53	19.96	1.05	0.50	45.92	28.32	1.02
350	22.96	26.10	17.87	22.18	1.05	0.52	45.19	28.23	1.03
400	22.87	26.19	18.25	25.24	1.06	0.54	45.13	28.46	1.04
450	22.77	26.30	18.37	29.27	1.07	0.57	45.06	28.44	1.05
500	22.62	26.46	18.40	28.25	1.08	0.61	44.24	28.42	1.06
550	22.34	26.76	17.67	22.86	1.11	0.66	44.88	28.32	1.07
600	22.21	27.28	15.28	21.80	1.16	0.75	45.02	28.19	1.09
650	22.08	27.10	15.35	25.29	1.14	0.72	45.58	28.44	1.11
700	22.10	27.12	15.73	20.06	1.13	0.71	46.05	28.44	1.10
750	21.96	27.32	15.60	16.89	1.15	0.72	45.93	28.46	1.15
800	21.75	27.59	15.12	14.67	1.17	0.74	45.83	28.26	1.17
850	21.46	27.95	14.42	12.93	1.20	0.76	45.64	28.03	1.19
900	21.07	28.43	13.53	11.43	1.25	0.79	45.32	27.63	1.24
950	20.51	29.09	12.38	10.12	1.32	0.82	43.99	27.13	1.23
1000	19.64	30.09	10.90	9.01	1.47	0.87	42.06	26.27	1.31
1050	18.29	31.63	9.22	8.29	1.78	0.94	41.29	25.21	1.34
1100	16.75	33.31	7.60	8.53	2.31	1.03	41.71	25.44	1.41
1150	16.88	33.05	6.68	10.72	2.30	1.12	44.01	26.37	1.49
1200	18.24	31.62	6.47	15.79	1.85	1.15	44.52	27.17	1.57

Note: Test data of Die packaged in industry standard SOT-89 package

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 = 8.40V, Id = 250.07mA @ 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)
1	24.97	29.26	11.21	11.35	1.07	0.54	42.64	26.53	--
3	25.28	28.80	14.66	23.16	1.07	0.57	42.99	26.80	--
5	25.23	28.59	15.21	36.45	1.06	0.56	43.07	27.11	--
7	25.14	28.36	15.40	32.60	1.05	0.56	43.18	27.06	--
9	25.02	28.12	15.51	26.58	1.04	0.55	43.25	27.05	--
10	24.95	27.99	15.55	25.02	1.03	0.54	43.33	27.03	1.38
20	24.31	27.02	15.68	18.79	1.01	0.50	44.85	27.80	1.31
30	23.89	26.53	15.85	17.22	1.01	0.47	44.04	28.15	1.26
40	23.65	26.29	16.02	16.55	1.02	0.45	45.07	28.34	1.17
50	23.52	26.15	16.10	16.34	1.02	0.44	44.45	28.44	1.13
60	23.42	26.06	16.08	16.20	1.03	0.44	44.41	28.49	1.16
70	23.36	26.01	16.12	16.08	1.03	0.43	45.31	28.56	1.12
80	23.32	25.99	16.13	16.08	1.03	0.43	45.03	28.57	1.14
90	23.28	25.97	16.17	16.09	1.03	0.44	45.48	28.57	1.11
100	23.26	25.96	16.27	16.19	1.03	0.44	45.39	28.64	1.14
150	23.19	25.95	16.49	16.68	1.04	0.45	45.42	28.83	1.19
200	23.14	25.97	16.75	17.50	1.04	0.46	45.15	28.85	1.11
250	23.08	26.01	17.07	18.54	1.05	0.48	44.81	28.86	1.06
300	23.02	26.06	17.36	20.25	1.05	0.50	45.44	29.09	1.12
350	22.96	26.13	17.69	22.61	1.06	0.52	45.17	29.10	1.10
400	22.88	26.22	18.04	26.11	1.06	0.55	44.88	29.24	1.11
450	22.77	26.33	18.16	31.75	1.07	0.58	44.55	29.22	1.15
500	22.63	26.50	18.21	30.10	1.08	0.61	43.76	29.20	1.16
550	22.34	26.80	17.52	23.57	1.11	0.66	43.99	29.10	1.14
600	22.21	27.33	15.16	22.78	1.16	0.76	43.85	28.90	1.15
650	22.08	27.15	15.22	25.73	1.14	0.72	44.40	29.18	1.17
700	22.10	27.18	15.58	19.96	1.14	0.71	44.57	29.16	1.17
750	21.96	27.38	15.45	16.76	1.15	0.72	44.28	29.17	1.25
800	21.74	27.66	14.96	14.57	1.17	0.74	44.03	28.93	1.23
850	21.45	28.03	14.26	12.83	1.21	0.76	43.78	28.63	1.26
900	21.05	28.53	13.37	11.35	1.26	0.79	43.28	28.18	1.30
950	20.48	29.21	12.24	10.07	1.34	0.82	42.34	27.52	1.28
1000	19.60	30.23	10.77	9.00	1.49	0.87	40.80	26.64	1.36
1050	18.23	31.79	9.13	8.34	1.82	0.94	39.74	25.59	1.42
1100	16.68	33.49	7.56	8.67	2.39	1.04	39.34	25.82	1.52
1150	16.82	33.23	6.65	11.00	2.37	1.12	42.00	26.89	1.57
1200	18.19	31.80	6.44	16.45	1.90	1.16	43.95	27.88	1.62

Note: Test data of Die packaged in industry standard SOT-89 package