

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: V_{DD} = +12 V, V_{iadj} = Open @ Temperature = +25°CNote: Nominal conditions when V_{iadj} is varied and V_{DD} is kept constant (+12 V).

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		1dB Comp. Output	3dB Comp. Output	Psat Output	Noise Figure	I _{DD} @P1dB	PAE @P1dB	FREQ	OIP3 Output	OIP2 Output
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dBm)	(dB)	(mA)	(%)	(MHz)	(dBm)	(dBm)
10	25.89	32.98	12.74	13.00	1.20	0.83	29.88	31.10	30.97	7.13	294.14	27.47	10	34.82	43.10
20	24.10	30.53	10.79	8.09	1.05	0.68	31.72	31.71	32.11	5.62	266.04	45.21	20	35.23	44.46
30	22.98	30.04	10.42	7.40	1.11	0.64	32.97	32.81	32.78	5.20	263.14	62.46	30	35.95	44.30
40	22.36	29.91	10.24	7.18	1.16	0.63	32.28	32.22	31.93	4.80	261.92	53.53	40	36.36	43.95
50	22.06	29.80	10.18	7.11	1.18	0.62	31.38	31.30	31.13	4.61	261.95	44.32	50	36.44	43.61
60	21.87	29.72	10.13	7.09	1.21	0.63	31.95	31.99	31.76	4.55	262.24	48.98	60	36.52	43.34
70	21.78	29.73	10.11	7.06	1.22	0.62	31.78	31.72	31.49	4.34	261.64	48.61	70	36.57	43.40
80	21.71	29.62	10.10	7.06	1.22	0.62	31.55	31.46	31.32	4.29	262.19	45.79	80	36.66	43.43
90	21.66	29.61	10.08	7.08	1.23	0.62	31.23	31.29	31.06	4.36	263.34	42.75	90	36.67	43.30
100	21.64	29.61	10.07	7.08	1.23	0.62	31.94	31.97	31.73	4.17	264.20	50.43	100	36.75	43.32
150	21.60	29.52	10.04	7.16	1.23	0.62	31.66	31.69	31.49	3.95	268.39	45.59	200	36.99	44.23
200	21.61	29.41	10.07	7.23	1.23	0.62	31.55	31.64	31.53	3.76	271.21	44.42	300	37.09	44.66
250	21.63	29.40	10.13	7.33	1.22	0.62	31.47	31.62	31.51	3.59	275.17	42.79	400	37.28	45.54
300	21.65	29.35	10.23	7.44	1.22	0.62	31.11	31.28	31.19	3.52	278.46	38.80	500	37.23	45.96
400	21.67	29.27	10.48	7.72	1.22	0.64	32.50	32.65	32.56	3.39	288.65	52.16	600	37.25	45.82
500	21.67	29.28	10.82	8.05	1.24	0.66	31.86	32.01	31.88	3.34	300.47	42.97	700	37.20	46.15
600	21.68	29.27	11.22	8.49	1.24	0.67	31.57	31.70	31.58	3.25	312.09	38.51	800	37.16	46.33
700	21.68	29.18	11.75	8.97	1.25	0.69	31.79	31.93	31.74	3.26	325.57	38.40	900	37.25	46.64
800	21.63	29.24	12.44	9.71	1.27	0.72	31.70	31.85	31.72	3.26	336.19	37.30	1000	37.11	45.87
900	21.68	29.12	12.99	10.29	1.27	0.74	31.84	32.01	31.91	3.27	345.45	36.89	1500	37.09	43.52
1000	21.70	29.07	13.59	11.00	1.27	0.76	31.85	32.07	31.98	3.21	355.37	35.98	2000	37.03	41.30
1200	21.66	29.06	14.76	12.71	1.29	0.80	32.39	32.68	32.59	3.14	374.87	38.95	2500	36.36	41.56
1400	21.58	28.95	15.32	14.59	1.30	0.83	32.23	32.56	32.46	3.15	385.74	35.84	3000	36.24	41.74
1600	21.46	28.95	14.92	15.78	1.31	0.86	32.30	32.75	32.66	3.03	398.43	35.91	3500	37.17	42.85
1800	21.27	29.05	13.70	15.43	1.33	0.87	32.01	32.40	32.31	3.02	412.84	32.03	4000	38.25	43.97
2000	21.00	29.14	12.31	14.04	1.36	0.88	32.26	32.73	32.55	2.97	428.24	34.20	4500	39.57	46.56
2200	20.69	29.32	11.27	12.78	1.39	0.88	32.24	32.74	32.54	2.84	441.89	32.76	5000	39.86	49.55
2400	20.56	29.24	10.88	12.27	1.40	0.87	32.20	32.74	32.58	3.01	450.07	31.79			
2600	20.49	29.19	10.63	11.78	1.40	0.86	32.16	32.74	32.49	2.80	449.67	32.24			
2800	20.40	29.05	10.56	11.45	1.40	0.84	32.27	32.80	32.60	2.78	456.87	32.66			
3000	20.32	28.96	10.69	11.40	1.40	0.83	32.46	33.00	32.84	2.75	459.67	33.82			
3200	20.27	28.87	11.15	11.62	1.41	0.83	32.09	32.65	32.50	2.52	459.47	31.74			
3400	20.25	28.73	12.00	12.13	1.42	0.82	32.11	32.84	32.64	2.51	443.01	32.36			
3600	20.23	28.61	13.09	12.86	1.43	0.83	31.76	32.51	32.33	2.50	436.98	30.70			
3800	20.22	28.54	14.41	13.85	1.45	0.83	31.84	32.69	32.52	2.51	439.18	31.16			
4000	20.20	28.42	15.92	15.08	1.45	0.84	31.84	32.83	32.70	2.51	427.13	32.11			
4200	20.16	28.37	17.40	16.42	1.47	0.85	31.69	32.75	32.69	2.51	398.64	31.54			
4400	20.05	28.49	17.91	17.46	1.51	0.86	31.39	32.45	32.42	2.55	385.02	32.27			
4600	19.91	28.51	17.24	17.65	1.54	0.88	30.59	31.91	31.96	2.53	363.73	28.18			
4800	19.83	28.53	15.71	17.63	1.55	0.89	30.55	31.88	32.01	2.57	347.30	28.58			
5000	19.80	28.50	13.84	17.61	1.54	0.90	30.11	31.60	31.79	2.52	342.19	26.46			
5200	19.75	28.47	12.14	17.58	1.52	0.92	29.77	31.60	31.80	2.61	332.86	24.57			
5400	19.66	28.40	10.79	17.65	1.50	0.93	30.66	32.37	32.51	2.52	335.89	28.37			
5600	19.52	28.42	9.76	17.68	1.49	0.95	29.99	31.60	31.72	2.44	348.96	23.91			
5800	19.35	28.41	9.23	17.89	1.49	0.97	30.02	31.83	31.95	2.51	329.37	24.49			
6000	19.19	28.42	9.02	18.77	1.50	0.99	29.10	31.20	31.38	2.57	306.82	20.82			
6200	19.02	28.42	8.93	20.87	1.52	1.00	28.22	30.96	31.29	2.60	284.32	17.35			
6400	18.86	28.42	9.00	26.11	1.54	1.01	26.82	30.18	30.58	2.66	265.29	13.50			
6600	18.67	28.49	9.28	26.43	1.56	1.02	25.51	29.37	29.97	2.67	252.05	10.97			
6800	18.38	28.65	9.75	19.33	1.62	1.02	24.47	28.57	29.55	2.68	240.59	9.15			
7000	17.98	29.01	10.17	14.73	1.68	1.01	22.85	25.95	28.57	2.79	234.36	6.69			
7200	17.70	29.35	10.13	11.55	1.76	1.00	21.13	25.47	28.16	2.85	227.84	4.59			
7400	17.23	29.83	9.58	9.18	1.80	0.97	19.90	24.56	27.60	2.84	217.05	3.33			
7600	16.80	30.10	8.55	7.94	1.85	0.94	18.93	24.42	27.20	2.87	211.16	2.31			
7800	16.63	30.56	7.43	6.32	1.75	0.90	18.60	23.68	26.86	2.84	213.17	2.39			
8000	16.16	31.21	6.21	4.74	1.70	0.82	15.19	21.43	24.78	3.04	198.57	1.25			

Typical Performance Data

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Definitions:

Input Return Loss = S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = S12 (dB)

Output Return Loss = S22 (dB)

TEST CONDITIONS: V_{DD} = +12 V, V_{bias} = +0.8 V @ Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		1dB Comp. Output	3dB Comp. Output	Psat Output	Noise Figure	I _{DD} @P1dB	PAE @P1dB	FREQ	OIP3 Output	OIP2 Output
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dBm)	(dB)	(mA)	(%)	(MHz)	(dBm)	(dBm)
10	25.60	32.66	13.15	13.64	1.20	0.83	30.35	31.69	30.44	7.08	277.46	32.42	10	34.51	42.19
20	23.87	30.04	11.13	8.47	1.04	0.68	32.03	32.50	32.11	5.71	255.74	57.02	20	35.00	43.58
30	22.78	29.80	10.70	7.79	1.12	0.66	32.91	32.80	32.90	5.26	253.91	70.82	30	35.81	43.45
40	22.18	29.56	10.49	7.56	1.16	0.64	32.28	32.18	31.99	4.88	254.29	55.13	40	36.17	43.03
50	21.89	29.40	10.47	7.49	1.19	0.64	31.41	31.31	31.11	4.67	254.64	45.85	50	36.23	42.69
60	21.70	29.40	10.41	7.48	1.21	0.64	32.02	31.96	31.77	4.59	254.48	53.09	60	36.28	42.47
70	21.62	29.30	10.40	7.44	1.21	0.63	31.78	31.72	31.45	4.33	254.69	50.16	70	36.42	42.49
80	21.55	29.29	10.39	7.44	1.22	0.63	31.57	31.52	31.31	4.29	255.47	46.85	80	36.45	42.54
90	21.50	29.25	10.37	7.46	1.22	0.63	31.31	31.25	31.02	4.30	256.52	43.99	90	36.51	42.46
100	21.48	29.24	10.35	7.46	1.23	0.63	31.97	31.88	31.67	4.14	257.13	51.67	100	36.52	42.38
150	21.44	29.08	10.37	7.54	1.22	0.62	31.62	31.69	31.47	3.87	261.62	45.79	200	36.91	42.98
200	21.46	29.05	10.40	7.63	1.22	0.63	31.61	31.63	31.50	3.68	265.21	46.34	300	36.98	43.16
250	21.48	29.00	10.47	7.73	1.22	0.63	31.52	31.63	31.51	3.50	268.95	44.18	400	37.28	44.05
300	21.50	28.92	10.59	7.87	1.22	0.63	31.17	31.29	31.19	3.42	272.68	40.14	500	37.20	44.21
400	21.52	28.95	10.85	8.13	1.22	0.65	32.55	32.63	32.53	3.31	283.44	53.29	600	37.19	43.88
500	21.51	28.91	11.23	8.48	1.23	0.66	31.93	32.01	31.86	3.27	295.01	43.35	700	37.06	44.08
600	21.52	28.84	11.67	8.94	1.24	0.68	31.68	31.71	31.60	3.19	307.06	39.52	800	36.98	44.09
700	21.51	28.89	12.24	9.44	1.25	0.70	31.85	31.89	31.81	3.30	320.87	39.15	900	36.95	44.34
800	21.45	28.88	12.98	10.18	1.27	0.73	31.80	31.85	31.72	3.19	332.07	38.05	1000	36.83	43.51
900	21.49	28.81	13.52	10.81	1.26	0.75	31.97	32.02	31.92	3.24	341.93	37.96	1500	36.33	40.97
1000	21.50	28.75	14.10	11.55	1.27	0.77	31.94	32.10	31.98	3.13	353.18	36.83	2000	35.95	38.80
1200	21.44	28.74	15.22	13.31	1.28	0.81	32.52	32.70	32.61	3.20	375.15	40.06	2500	35.16	38.94
1400	21.34	28.71	15.51	15.08	1.30	0.84	32.36	32.58	32.50	3.06	388.07	36.79	3000	34.88	39.14
1600	21.19	28.74	14.74	15.75	1.31	0.86	32.48	32.77	32.68	3.01	403.02	36.88	3500	35.57	40.70
1800	20.98	28.86	13.36	14.84	1.33	0.87	32.11	32.41	32.28	2.99	419.42	33.07	4000	36.25	42.88
2000	20.71	28.93	11.96	13.31	1.35	0.88	32.46	32.74	32.56	2.94	435.93	34.89	4500	37.25	45.69
2200	20.39	29.05	10.96	12.17	1.38	0.88	32.45	32.77	32.57	2.82	454.01	33.39	5000	37.55	48.41
2400	20.23	29.00	10.56	11.61	1.39	0.87	32.38	32.73	32.57	2.95	462.55	32.19			
2600	20.15	28.97	10.31	11.19	1.40	0.85	32.40	32.74	32.54	2.75	464.69	32.97			
2800	20.08	28.87	10.21	10.89	1.40	0.84	32.45	32.81	32.60	2.71	471.65	33.38			
3000	20.02	28.75	10.35	10.86	1.40	0.82	32.77	33.12	32.91	2.68	476.00	35.12			
3200	19.97	28.64	10.80	11.07	1.41	0.82	32.40	32.78	32.53	2.48	476.83	32.28			
3400	19.95	28.61	11.54	11.55	1.42	0.81	32.41	32.89	32.66	2.48	461.89	33.07			
3600	19.94	28.38	12.56	12.25	1.43	0.82	32.15	32.55	32.37	2.44	457.86	31.36			
3800	19.94	28.28	13.88	13.18	1.44	0.83	32.25	32.68	32.55	2.45	464.71	31.87			
4000	19.94	28.19	15.38	14.35	1.45	0.83	32.33	32.86	32.79	2.39	456.14	32.96			
4200	19.89	28.11	16.74	15.51	1.47	0.84	32.18	32.81	32.76	2.43	425.22	32.49			
4400	19.77	28.19	17.38	16.28	1.51	0.86	31.78	32.46	32.47	2.48	404.92	32.29			
4600	19.62	28.31	16.86	16.52	1.54	0.87	31.09	31.95	32.00	2.46	379.36	28.51			
4800	19.53	28.30	15.43	16.51	1.55	0.88	31.03	31.94	32.07	2.54	360.61	29.59			
5000	19.51	28.25	13.63	16.44	1.54	0.89	30.76	31.70	31.83	2.49	359.76	27.93			
5200	19.45	28.20	11.97	16.41	1.52	0.91	30.67	31.71	31.86	2.49	359.25	26.99			
5400	19.35	28.21	10.64	16.44	1.51	0.93	31.53	32.48	32.59	2.41	367.88	32.55			
5600	19.22	28.16	9.63	16.56	1.49	0.94	30.71	31.70	31.77	2.40	373.94	25.58			
5800	19.05	28.13	9.10	16.78	1.49	0.96	30.83	31.89	32.02	2.41	359.10	27.90			
6000	18.91	28.21	8.89	17.65	1.51	0.98	29.98	31.32	31.46	2.53	336.23	23.55			
6200	18.74	28.16	8.83	19.54	1.51	1.00	29.02	31.14	31.37	2.50	297.34	18.82			
6400	18.57	28.18	8.89	23.48	1.54	1.02	27.25	30.34	30.63	2.62	268.55	14.30			
6600	18.38	28.24	9.15	25.44	1.56	1.02	25.91	29.59	30.07	2.55	254.84	11.63			
6800	18.08	28.42	9.57	18.93	1.63	1.03	24.81	28.99	29.69	2.56	242.39	9.52			
7000	17.70	28.73	9.88	14.57	1.68	1.02	23.25	27.84	28.69	2.67	235.67	7.21			
7200	17.41	29.21	9.70	11.51	1.78	1.01	21.70	27.22	28.25	2.65	225.68	5.02			
7400	16.94	29.65	9.13	9.10	1.82	0.98	19.93	25.68	27.91	2.72	200.08	2.90			
7600	16.49	30.04	8.10	7.82	1.86	0.95	19.17	25.28	27.39	2.75	198.55	2.23			
7800	16.22	30.47	7.00	6.10	1.77	0.90	18.58	24.25	27.08	2.76	209.54	2.65			
8000	15.71	31.07	5.76	4.54	1.70	0.80	15.16	21.89	25.13	2.92	182.93	1.19			

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Definitions:

Input Return Loss = S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = S12 (dB)

Output Return Loss = S22 (dB)

TEST CONDITIONS: $V_{DD} = +12\text{ V}$, $V_{I_{bias}} = +1\text{ V}$ @ Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		1dB Comp. Output	3dB Comp. Output	Psat Output	Noise Figure	I_{DD} @P1dB	PAE @P1dB	FREQ	OIP3 Output	OIP2 Output
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dBm)	(dB)	(mA)	(%)	(MHz)	(dBm)	(dBm)
10	25.72	32.70	13.13	13.50	1.19	0.84	29.79	31.04	31.03	7.13	283.20	31.85	10	34.69	42.59
20	23.96	30.11	10.99	8.31	1.04	0.68	32.20	31.92	31.74	5.67	263.05	47.67	20	35.16	43.99
30	22.86	29.88	10.57	7.61	1.11	0.65	32.84	32.87	32.69	5.23	259.58	69.67	30	35.97	43.84
40	22.26	29.72	10.38	7.39	1.16	0.64	32.17	32.22	31.93	4.88	259.07	55.56	40	36.27	43.44
50	21.96	29.54	10.33	7.33	1.18	0.63	31.40	31.38	31.15	4.66	258.64	44.91	50	36.42	43.22
60	21.77	29.49	10.29	7.31	1.20	0.63	31.97	31.90	31.72	4.59	259.57	51.12	60	36.50	43.07
70	21.69	29.54	10.27	7.26	1.22	0.63	31.77	31.73	31.54	4.34	259.30	49.10	70	36.53	43.08
80	21.62	29.45	10.26	7.27	1.22	0.62	31.56	31.52	31.30	4.30	259.47	46.49	80	36.55	42.99
90	21.57	29.38	10.25	7.30	1.22	0.63	31.34	31.28	31.04	4.35	260.62	43.51	90	36.59	42.86
100	21.54	29.40	10.23	7.29	1.23	0.62	31.96	31.93	31.71	4.16	261.77	51.01	100	36.63	42.85
150	21.51	29.30	10.23	7.37	1.23	0.62	31.69	31.63	31.48	3.88	265.55	46.34	200	36.98	43.55
200	21.52	29.28	10.26	7.46	1.23	0.62	31.62	31.63	31.52	3.71	269.55	45.11	300	37.06	44.00
250	21.54	29.17	10.32	7.55	1.23	0.63	31.54	31.62	31.52	3.54	272.90	43.48	400	37.30	44.80
300	21.56	29.17	10.42	7.68	1.22	0.63	31.20	31.30	31.22	3.47	277.01	39.53	500	37.22	45.10
400	21.58	29.14	10.68	7.97	1.23	0.64	32.57	32.63	32.57	3.33	287.30	51.99	600	37.24	44.82
500	21.58	29.05	11.04	8.30	1.23	0.66	31.93	31.99	31.90	3.31	298.94	43.34	700	37.14	45.15
600	21.59	29.05	11.46	8.75	1.24	0.68	31.65	31.73	31.62	3.21	311.30	38.95	800	37.08	45.16
700	21.58	28.97	12.04	9.23	1.25	0.70	31.86	31.92	31.84	3.24	325.01	39.39	900	37.07	45.47
800	21.53	29.02	12.75	9.96	1.27	0.72	31.79	31.87	31.74	3.22	336.27	37.60	1000	36.98	44.69
900	21.58	28.95	13.29	10.58	1.26	0.75	31.93	32.06	31.91	3.31	346.34	37.32	1500	36.75	42.23
1000	21.59	28.84	13.89	11.30	1.26	0.76	31.93	32.11	32.03	3.15	357.18	36.60	2000	36.48	40.04
1200	21.53	28.81	15.01	13.05	1.28	0.80	32.49	32.72	32.64	3.14	378.79	39.72	2500	35.69	40.20
1400	21.44	28.84	15.45	14.90	1.30	0.84	32.33	32.58	32.50	3.10	391.33	36.45	3000	35.44	40.36
1600	21.31	28.79	14.81	15.83	1.31	0.86	32.46	32.77	32.70	2.99	405.53	36.34	3500	36.29	41.81
1800	21.11	28.90	13.52	15.11	1.32	0.87	32.11	32.42	32.32	2.96	421.14	32.64	4000	37.16	43.51
2000	20.84	29.00	12.11	13.63	1.35	0.88	32.41	32.73	32.59	2.94	436.79	34.50	4500	38.34	46.22
2200	20.53	29.18	11.08	12.43	1.39	0.88	32.41	32.76	32.60	2.86	454.09	33.17	5000	38.63	48.99
2400	20.37	29.16	10.70	11.92	1.39	0.87	32.36	32.71	32.57	2.97	462.65	32.58			
2600	20.30	29.05	10.44	11.47	1.39	0.85	32.39	32.70	32.59	2.74	464.49	32.21			
2800	20.22	28.90	10.35	11.15	1.40	0.84	32.49	32.81	32.60	2.73	470.83	32.93			
3000	20.15	28.84	10.51	11.11	1.41	0.83	32.70	33.08	32.94	2.65	477.01	34.23			
3200	20.10	28.73	10.94	11.30	1.41	0.82	32.28	32.69	32.56	2.49	476.07	31.87			
3400	20.07	28.57	11.71	11.80	1.42	0.82	32.43	32.87	32.67	2.53	463.24	32.80			
3600	20.06	28.53	12.78	12.54	1.44	0.82	32.06	32.59	32.39	2.47	459.14	31.30			
3800	20.06	28.33	14.11	13.47	1.45	0.83	32.17	32.66	32.59	2.42	466.50	31.40			
4000	20.05	28.27	15.62	14.66	1.45	0.83	32.28	32.87	32.77	2.44	458.62	32.66			
4200	20.01	28.25	17.01	15.90	1.47	0.85	32.10	32.77	32.73	2.46	429.03	32.49			
4400	19.89	28.32	17.60	16.77	1.51	0.86	31.70	32.50	32.52	2.51	404.44	32.08			
4600	19.75	28.37	17.01	16.95	1.53	0.87	31.03	31.89	31.99	2.48	381.62	28.83			
4800	19.66	28.40	15.55	16.96	1.55	0.88	30.98	31.94	32.07	2.53	362.85	29.30			
5000	19.63	28.35	13.70	16.89	1.55	0.90	30.73	31.67	31.83	2.48	362.56	27.62			
5200	19.58	28.28	12.03	16.92	1.52	0.91	30.62	31.68	31.86	2.50	359.42	26.50			
5400	19.48	28.23	10.69	16.89	1.50	0.93	31.47	32.52	32.58	2.43	369.44	32.38			
5600	19.35	28.24	9.66	16.96	1.49	0.95	30.66	31.66	31.75	2.43	373.58	24.86			
5800	19.18	28.27	9.15	17.16	1.49	0.96	30.72	31.91	31.98	2.45	361.90	27.24			
6000	19.02	28.23	8.93	18.02	1.50	0.98	30.03	31.36	31.49	2.52	332.90	22.93			
6200	18.86	28.32	8.86	19.91	1.53	1.00	29.08	31.13	31.36	2.54	301.09	18.71			
6400	18.69	28.30	8.91	24.44	1.54	1.01	27.29	30.35	30.65	2.60	276.24	14.51			
6600	18.51	28.38	9.20	25.71	1.57	1.02	26.00	29.58	30.09	2.63	262.24	11.75			
6800	18.21	28.58	9.63	19.28	1.62	1.03	25.05	28.90	29.67	2.59	252.97	10.05			
7000	17.81	28.85	9.97	14.65	1.69	1.02	23.40	27.82	28.72	2.68	244.18	7.24			
7200	17.51	29.22	9.83	11.51	1.77	1.00	22.18	27.14	28.33	2.71	237.88	5.26			
7400	17.04	29.76	9.28	9.07	1.81	0.98	20.65	25.86	27.80	2.76	223.05	3.56			
7600	16.56	30.11	8.22	7.90	1.87	0.95	19.86	25.48	27.29	2.79	217.63	2.64			
7800	16.39	30.39	7.14	6.19	1.77	0.90	19.34	24.31	27.05	2.75	226.82	3.05			
8000	15.92	31.13	5.93	4.62	1.70	0.81	15.54	22.10	25.18	2.98	195.97	1.34			

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: $V_{DD} = +12\text{ V}$, $V_{I_{bias}} = +1.5\text{ V}$ @ Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		1dB Comp. Output	3dB Comp. Output	Psat Output	Noise Figure	I_{DD} @P1dB	PAE @P1dB	FREQ	OIP3 Output	OIP2 Output
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dBm)	(dB)	(mA)	(%)	(MHz)	(dBm)	(dBm)
10	25.97	33.03	12.69	12.99	1.19	0.83	29.92	30.20	30.67	7.20	304.77	18.73	10	34.91	43.88
20	24.16	30.58	10.72	8.04	1.05	0.68	32.24	32.46	31.91	5.61	276.46	46.82	20	35.33	45.17
30	23.03	30.07	10.36	7.32	1.11	0.64	33.04	33.03	32.75	5.18	270.32	61.77	30	36.02	45.05
40	22.41	29.94	10.15	7.10	1.16	0.63	32.34	32.24	32.00	4.81	269.70	53.31	40	36.43	44.61
50	22.11	29.89	10.12	7.02	1.19	0.63	31.39	31.42	31.19	4.60	268.55	43.44	50	36.58	44.27
60	21.91	29.81	10.07	7.00	1.21	0.62	32.03	32.00	31.77	4.54	269.82	50.05	60	36.70	43.97
70	21.82	29.76	10.04	6.96	1.22	0.62	31.86	31.78	31.54	4.36	269.43	47.43	70	36.76	44.12
80	21.75	29.78	10.03	6.97	1.22	0.62	31.61	31.55	31.32	4.32	270.80	44.21	80	36.82	44.05
90	21.70	29.76	10.01	6.98	1.23	0.62	31.34	31.31	31.09	4.33	268.90	42.40	90	36.84	43.94
100	21.68	29.69	10.00	6.99	1.23	0.62	31.98	31.96	31.76	4.20	271.55	49.45	100	36.87	43.89
150	21.64	29.58	9.98	7.06	1.23	0.61	31.72	31.69	31.51	3.92	275.97	44.95	200	37.09	44.87
200	21.65	29.50	9.99	7.15	1.23	0.62	31.65	31.68	31.57	3.79	279.35	43.88	300	37.12	45.38
250	21.66	29.45	10.06	7.24	1.23	0.62	31.54	31.67	31.56	3.58	283.68	41.91	400	37.31	46.29
300	21.68	29.40	10.15	7.35	1.23	0.62	31.17	31.33	31.23	3.49	287.00	38.44	500	37.28	46.76
400	21.71	29.35	10.40	7.61	1.22	0.63	32.56	32.71	32.59	3.38	297.25	50.66	600	37.32	46.62
500	21.71	29.28	10.73	7.95	1.24	0.65	31.91	32.06	31.91	3.32	308.90	41.78	700	37.31	47.14
600	21.72	29.29	11.11	8.38	1.24	0.67	31.62	31.75	31.65	3.25	321.36	37.76	800	37.31	47.45
700	21.72	29.24	11.66	8.86	1.25	0.69	31.82	31.98	31.83	3.32	335.37	37.34	900	37.42	47.72
800	21.67	29.30	12.33	9.58	1.27	0.72	31.78	31.91	31.79	3.26	346.77	36.58	1000	37.34	47.01
900	21.73	29.18	12.88	10.16	1.26	0.74	31.92	32.05	31.95	3.26	357.19	36.02	1500	37.56	44.83
1000	21.75	29.17	13.47	10.86	1.27	0.76	31.92	32.16	32.05	3.20	367.81	35.55	2000	37.78	42.65
1200	21.71	29.09	14.64	12.58	1.29	0.80	32.50	32.74	32.66	3.15	388.66	38.56	2500	37.28	42.86
1400	21.63	29.04	15.28	14.47	1.30	0.83	32.28	32.60	32.55	3.10	400.74	35.24	3000	37.23	42.91
1600	21.62	29.07	14.92	15.80	1.31	0.86	32.38	32.77	32.72	3.04	414.38	35.39	3500	38.47	43.85
1800	21.33	29.12	13.74	15.54	1.33	0.87	32.08	32.49	32.37	3.03	427.87	32.03	4000	39.66	44.62
2000	21.06	29.21	12.38	14.22	1.35	0.88	32.36	32.78	32.63	2.97	442.39	33.68	4500	41.07	47.13
2200	20.76	29.37	11.34	12.97	1.39	0.89	32.35	32.77	32.62	2.89	458.45	32.53	5000	41.41	50.04
2400	20.63	29.31	10.97	12.41	1.39	0.88	32.22	32.74	32.57	2.97	466.57	31.53			
2600	20.55	29.19	10.69	11.93	1.39	0.86	32.24	32.77	32.62	2.83	467.62	32.19			
2800	20.47	29.12	10.60	11.60	1.40	0.84	32.31	32.78	32.63	2.73	474.10	32.16			
3000	20.39	29.02	10.75	11.53	1.40	0.83	32.54	33.04	32.94	2.74	478.53	34.19			
3200	20.34	28.94	11.23	11.74	1.42	0.83	32.28	32.70	32.57	2.55	481.13	31.16			
3400	20.31	28.76	12.08	12.26	1.43	0.82	32.37	32.88	32.72	2.52	468.98	32.43			
3600	20.30	28.68	13.17	13.02	1.44	0.83	32.05	32.61	32.44	2.50	465.20	30.93			
3800	20.28	28.57	14.50	14.01	1.45	0.83	32.10	32.67	32.58	2.51	467.00	30.83			
4000	20.26	28.47	16.11	15.30	1.46	0.84	32.26	32.86	32.79	2.48	461.67	32.17			
4200	20.21	28.42	17.54	16.65	1.47	0.85	32.09	32.77	32.75	2.55	436.53	31.84			
4400	20.11	28.54	17.94	17.72	1.52	0.87	31.71	32.49	32.53	2.55	413.76	32.15			
4600	19.98	28.63	17.23	17.97	1.54	0.88	31.02	31.92	32.00	2.50	391.82	28.17			
4800	19.89	28.62	15.70	17.90	1.56	0.89	30.98	31.93	32.07	2.59	374.02	28.90			
5000	19.86	28.58	13.84	17.81	1.54	0.90	30.71	31.70	31.85	2.57	371.70	27.31			
5200	19.81	28.49	12.15	17.81	1.53	0.92	30.58	31.70	31.86	2.62	369.96	26.35			
5400	19.71	28.45	10.80	17.81	1.50	0.93	31.38	32.47	32.59	2.46	378.17	31.20			
5600	19.57	28.45	9.76	17.85	1.49	0.95	30.58	31.63	31.69	2.47	379.85	25.11			
5800	19.41	28.45	9.21	17.99	1.49	0.97	30.72	31.95	32.09	2.50	369.52	27.51			
6000	19.25	28.48	9.01	18.76	1.51	0.99	30.02	31.33	31.52	2.56	350.30	23.52			
6200	19.08	28.47	8.91	20.75	1.52	1.00	29.06	31.10	31.35	2.58	318.37	18.95			
6400	18.92	28.47	8.97	26.06	1.54	1.01	27.56	30.34	30.64	2.62	294.97	14.64			
6600	18.73	28.48	9.32	27.24	1.56	1.02	26.31	29.62	30.03	2.63	280.92	11.88			
6800	18.44	28.68	9.74	19.32	1.61	1.02	25.26	29.02	29.71	2.64	271.92	9.89			
7000	18.02	29.03	10.17	14.68	1.69	1.01	24.04	27.89	28.76	2.74	270.44	8.02			
7200	17.71	29.47	10.12	11.48	1.79	0.99	22.76	27.13	28.25	2.82	266.06	5.76			
7400	17.23	29.82	9.59	9.05	1.79	0.97	21.53	26.42	27.90	2.84	257.18	4.28			
7600	16.79	30.19	8.51	7.99	1.86	0.95	21.51	26.04	27.35	2.87	255.13	3.32			
7800	16.72	30.62	7.48	6.37	1.76	0.90	20.89	24.74	26.93	2.86	263.74	3.64			
8000	16.28	31.15	6.27	4.75	1.68	0.82	17.81	22.47	25.17	3.02	238.45	1.98			

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: V_{DD} = +12 V, V_{iact} = +1.8 V @ Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		1dB Comp. Output	3dB Comp. Output	Psat Output	Noise Figure	I _{DD} @P1dB	PAE @P1dB	FREQ	OIP3 Output	OIP2 Output
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dBm)	(dB)	(mA)	(%)	(MHz)	(dBm)	(dBm)
10	26.06	33.31	12.62	12.81	1.20	0.84	31.66	31.23	30.63	7.24	316.13	43.14	10	35.02	44.51
20	24.24	30.80	10.64	7.89	1.05	0.67	32.89	32.03	32.54	5.65	282.85	44.91	20	35.34	45.90
30	23.10	30.20	10.26	7.20	1.10	0.63	33.13	33.05	32.78	5.21	277.23	64.85	30	36.11	45.65
40	22.48	30.10	10.08	6.96	1.16	0.63	32.27	32.27	32.03	4.84	278.67	51.49	40	36.53	45.05
50	22.17	30.04	10.02	6.90	1.19	0.62	31.42	31.45	31.17	4.63	276.09	42.94	50	36.72	44.77
60	21.98	30.01	9.98	6.88	1.21	0.62	32.03	31.91	31.86	4.56	276.81	49.73	60	36.80	44.60
70	21.89	29.92	9.96	6.85	1.21	0.62	31.80	31.82	31.59	4.37	277.77	46.66	70	36.84	44.63
80	21.81	29.93	9.94	6.84	1.23	0.62	31.56	31.58	31.33	4.32	277.36	43.99	80	36.87	44.56
90	21.76	29.79	9.92	6.87	1.23	0.61	31.34	31.37	31.10	4.34	277.60	41.59	90	36.88	44.43
100	21.73	29.79	9.90	6.87	1.23	0.61	32.00	32.00	31.80	4.21	279.03	48.76	100	36.91	44.42
150	21.69	29.78	9.87	6.94	1.23	0.61	31.68	31.78	31.58	3.94	282.94	43.59	200	37.10	45.43
200	21.70	29.70	9.88	7.02	1.23	0.61	31.60	31.72	31.61	3.80	287.33	43.17	300	37.13	45.98
250	21.72	29.62	9.95	7.11	1.23	0.61	31.52	31.68	31.58	3.61	290.69	41.32	400	37.33	47.02
300	21.74	29.55	10.04	7.21	1.23	0.62	31.18	31.35	31.26	3.52	294.46	37.71	500	37.33	47.48
400	21.76	29.51	10.28	7.48	1.23	0.63	32.59	32.74	32.63	3.40	303.92	50.40	600	37.39	47.49
500	21.77	29.43	10.61	7.81	1.23	0.64	31.91	32.08	31.97	3.34	316.67	41.74	700	37.38	48.14
600	21.78	29.41	10.98	8.23	1.24	0.66	31.61	31.78	31.66	3.27	328.73	37.29	800	37.48	48.66
700	21.78	29.45	11.52	8.69	1.25	0.69	31.87	31.99	31.86	3.28	342.94	37.14	900	37.56	48.91
800	21.73	29.38	12.17	9.39	1.27	0.72	31.78	31.93	31.80	3.28	354.80	36.04	1000	37.45	48.16
900	21.79	29.38	12.68	9.97	1.27	0.74	31.90	32.09	31.97	3.26	364.90	35.70	1500	37.88	46.07
1000	21.81	29.26	13.27	10.68	1.27	0.75	31.92	32.16	32.08	3.24	375.92	34.81	2000	38.40	43.81
1200	21.78	29.22	14.48	12.37	1.29	0.80	32.46	32.78	32.69	3.21	396.59	38.13	2500	38.27	44.05
1400	21.71	29.16	15.19	14.31	1.30	0.83	32.27	32.63	32.55	3.19	408.71	34.96	3000	38.47	43.99
1600	21.60	29.16	14.96	15.74	1.31	0.86	32.36	32.79	32.73	3.12	421.69	34.88	3500	40.01	44.50
1800	21.42	29.17	13.82	15.72	1.33	0.87	32.00	32.44	32.36	2.98	434.81	31.31	4000	41.20	45.04
2000	21.15	29.32	12.47	14.40	1.36	0.88	32.33	32.78	32.65	2.97	448.97	33.41	4500	42.48	47.48
2200	20.86	29.45	11.47	13.20	1.39	0.89	32.28	32.79	32.66	2.95	464.30	32.42	5000	42.84	50.48
2400	20.74	29.44	11.05	12.65	1.40	0.88	32.24	32.73	32.65	2.93	473.61	31.44			
2600	20.65	29.32	10.79	12.13	1.40	0.86	32.23	32.76	32.57	2.84	475.46	31.64			
2800	20.57	29.22	10.73	11.78	1.41	0.84	32.32	32.82	32.66	2.79	480.71	32.09			
3000	20.49	29.15	10.87	11.72	1.41	0.84	32.62	33.04	32.90	2.75	483.73	33.34			
3200	20.43	28.95	11.36	11.92	1.41	0.83	32.21	32.69	32.56	2.58	486.48	31.04			
3400	20.41	28.82	12.23	12.44	1.42	0.82	32.35	32.86	32.72	2.52	476.66	32.09			
3600	20.39	28.82	13.36	13.26	1.44	0.83	32.03	32.58	32.46	2.57	471.76	30.19			
3800	20.38	28.60	14.69	14.27	1.45	0.83	32.05	32.64	32.59	2.53	472.85	30.77			
4000	20.35	28.56	16.27	15.54	1.46	0.84	32.20	32.83	32.81	2.55	468.85	32.07			
4200	20.29	28.52	17.72	16.95	1.48	0.85	32.09	32.75	32.74	2.53	447.04	32.04			
4400	20.20	28.58	18.13	18.17	1.51	0.87	31.78	32.56	32.53	2.55	422.67	32.23			
4600	20.07	28.75	17.30	18.43	1.55	0.88	31.03	31.94	32.04	2.52	399.67	28.05			
4800	19.98	28.62	15.73	18.32	1.55	0.89	31.00	31.93	32.06	2.63	382.83	28.80			
5000	19.95	28.65	13.88	18.20	1.54	0.90	30.75	31.72	31.85	2.60	380.90	27.19			
5200	19.90	28.63	12.18	18.24	1.53	0.92	30.64	31.71	31.86	2.64	379.38	26.32			
5400	19.81	28.51	10.84	18.24	1.50	0.93	31.39	32.41	32.56	2.49	386.56	31.84			
5600	19.67	28.59	9.80	18.18	1.49	0.95	30.63	31.63	31.76	2.52	388.75	24.59			
5800	19.50	28.57	9.25	18.27	1.49	0.97	30.81	32.00	32.08	2.53	378.39	26.97			
6000	19.34	28.59	9.04	19.13	1.50	0.99	30.12	31.35	31.58	2.58	360.60	23.69			
6200	19.17	28.53	8.92	21.03	1.52	1.00	29.27	31.10	31.34	2.59	334.54	19.70			
6400	19.00	28.55	8.99	26.83	1.54	1.01	27.72	30.38	30.67	2.65	308.08	15.22			
6600	18.83	28.57	9.37	28.23	1.56	1.02	26.55	29.64	30.06	2.72	294.91	12.26			
6800	18.54	28.76	9.80	19.11	1.61	1.02	25.59	29.12	29.68	2.65	285.79	10.28			
7000	18.13	29.04	10.23	14.63	1.68	1.01	24.41	27.91	28.72	2.79	283.94	8.08			
7200	17.77	29.52	10.21	11.42	1.79	0.99	23.21	27.37	28.25	2.78	283.00	6.02			
7400	17.28	29.90	9.72	9.02	1.80	0.97	21.86	26.64	27.85	2.92	271.84	4.34			
7600	16.90	30.25	8.60	8.05	1.85	0.95	21.80	26.26	27.31	2.92	274.42	3.71			
7800	16.88	30.62	7.64	6.44	1.76	0.91	21.33	25.00	27.02	2.91	282.21	3.94			
8000	16.44	31.25	6.41	4.80	1.67	0.82	18.86	22.70	25.10	3.08	261.22	2.34			

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: $V_{DD} = +12\text{ V}$, $V_{adj} = \text{Open}$ @ Temperature = +25°CNote: Nominal conditions when V_{DD} is varied and V_{adj} is kept constant (open).

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		1dB Comp. Output	3dB Comp. Output	Psat Output	Noise Figure	2nd Harmonics	3rd Harmonics	FREQ	OIP3 Output	OIP2 Output
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dBm)	(dB)	(dBc)	(dBc)	(MHz)	(dBm)	(dBm)
10	25.62	32.24	13.34	13.48	1.17	0.81	29.51	32.13	29.91	10.00	-31.80	-43.49	10	35.05	42.50
20	23.87	30.52	10.82	8.23	1.05	0.71	32.93	32.59	32.33	5.72	-29.35	-44.15	20	35.46	43.95
30	22.76	29.62	10.69	7.51	1.10	0.64	33.17	33.19	33.07	4.41	-28.21	-42.92	30	36.22	43.84
40	22.23	29.52	10.42	7.28	1.15	0.62	32.51	32.38	32.30	3.78	-27.85	-41.70	40	36.55	43.38
50	21.92	29.74	10.38	7.19	1.20	0.63	31.61	31.54	31.34	3.81	-28.29	-41.74	50	36.63	43.10
60	21.76	29.40	10.32	7.15	1.19	0.62	31.91	31.96	31.77	3.59	-26.74	-41.90	60	36.71	42.83
70	21.64	29.49	10.32	7.14	1.21	0.62	31.89	31.88	31.75	3.45	-27.17	-42.13	70	36.73	42.95
80	21.58	29.31	10.28	7.14	1.21	0.61	31.61	31.72	31.45	3.21	-27.55	-42.20	80	36.84	42.83
90	21.53	29.38	10.28	7.14	1.22	0.61	31.42	31.42	31.27	3.19	-27.26	-42.38	90	36.88	42.81
100	21.50	29.32	10.26	7.15	1.22	0.61	32.13	32.13	31.96	3.14	-26.90	-42.80	100	36.95	42.89
150	21.47	29.17	10.25	7.21	1.21	0.61	31.86	31.92	31.82	2.96	-27.54	-44.65	200	37.24	43.84
200	21.48	29.13	10.27	7.32	1.22	0.61	31.75	31.85	31.71	2.80	-28.56	-46.10	300	37.31	44.18
300	21.52	29.06	10.47	7.54	1.21	0.62	31.29	31.40	31.27	2.69	-29.13	-48.39	400	37.85	44.96
400	21.54	28.93	10.70	7.81	1.21	0.63	32.63	32.78	32.74	2.67	-29.92	-49.80	500	37.93	45.28
500	21.54	28.93	11.05	8.14	1.22	0.64	32.01	32.13	32.06	2.62	-30.23	-49.61	600	37.42	45.06
600	21.54	28.91	11.49	8.56	1.22	0.66	31.73	31.84	31.71	2.60	-30.58	-49.16	700	37.48	45.41
700	21.52	28.97	11.99	9.08	1.24	0.69	31.92	32.02	31.92	2.58	-30.54	-49.30	800	37.41	45.34
800	21.46	28.94	12.70	9.79	1.26	0.72	31.92	32.02	31.88	2.61	-30.73	-48.24	900	37.52	45.72
900	21.51	28.84	13.20	10.42	1.25	0.74	31.98	32.22	32.09	2.65	-31.03	-47.79	1000	37.52	44.86
1000	21.51	28.79	13.79	11.16	1.25	0.76	32.09	32.27	32.17	2.59	-30.37	-47.69	1500	37.52	42.55
1200	21.44	28.79	14.87	12.91	1.27	0.80	32.59	32.85	32.79	2.60	-29.54	-46.61	2000	37.20	40.35
1400	21.34	28.84	15.41	14.77	1.30	0.84	32.45	32.74	32.70	2.46	-29.11	-45.41	2500	36.54	40.73
1600	21.22	28.69	14.87	15.75	1.30	0.85	32.52	32.96	32.94	2.45	-28.57	-46.65	3000	36.59	40.21
1800	21.03	28.74	13.60	15.16	1.31	0.86	32.38	32.81	32.73	2.41	-27.05	-45.22	3500	38.00	42.19
2000	20.77	28.91	12.21	13.77	1.34	0.87	32.59	33.09	33.05	2.43	-25.35	-44.61	4000	39.16	44.35
2200	20.49	28.98	11.20	12.59	1.36	0.87	32.70	33.17	33.03	2.44	-26.84	-45.43	4500	41.46	46.39
2400	20.37	29.03	10.74	11.92	1.38	0.86	32.71	33.19	33.04	2.34	-26.48	-46.44	5000	41.25	49.43
2600	20.28	28.87	10.47	11.35	1.37	0.84	32.57	33.15	33.00	2.27	-25.51	-47.32	5500	39.77	51.75
2800	20.21	28.94	10.33	11.02	1.39	0.84	32.97	33.38	33.30	2.22	-25.11	-50.76	6000	38.97	53.20
3000	20.14	28.80	10.52	10.95	1.39	0.82	33.08	33.57	33.42	2.17	-24.40	-51.86			
3200	20.11	28.60	11.01	11.21	1.39	0.82	32.68	33.17	33.08	2.13	-24.74	-52.64			
3400	20.08	28.51	11.84	11.77	1.41	0.81	32.67	33.35	33.23	2.16	-25.57	-53.97			
3600	20.09	28.32	13.06	12.60	1.41	0.81	32.43	33.07	32.90	2.14	-26.50	-55.69			
3800	20.10	28.28	14.73	13.72	1.42	0.82	32.49	33.17	33.08	2.11	-26.83	-56.02			
4000	20.08	28.07	16.81	15.14	1.42	0.82	32.52	33.26	33.24	2.09	-27.42	-56.65			
4200	20.01	28.06	18.92	16.83	1.44	0.83	32.29	33.12	33.15	2.15	-28.42	-59.43			
4400	19.89	28.02	19.80	18.59	1.46	0.85	31.77	32.89	32.88	2.11	-30.40	-58.27			
4600	19.72	28.09	18.90	19.97	1.50	0.87	31.16	32.25	32.38	2.18	-30.31	-55.44			
4800	19.55	28.22	17.42	20.19	1.54	0.88	31.04	32.08	32.27	2.25	-30.84	-54.47			
5000	19.46	28.23	15.65	19.63	1.54	0.89	30.65	31.86	32.08	2.22	-32.58	-53.87			
5200	19.45	28.17	13.77	19.39	1.52	0.90	30.49	31.83	32.03	2.24	-32.81	-52.99			
5400	19.42	28.08	12.20	19.33	1.50	0.92	31.14	32.68	32.75	2.08	-34.98	-53.50			
5600	19.36	27.99	11.05	19.41	1.48	0.93	30.31	31.57	31.78	2.16	-34.26	-55.23			
5800	19.26	28.07	10.23	20.05	1.49	0.95	30.56	32.19	32.29	2.19	-35.38	-55.09			
6000	19.13	28.07	9.73	21.47	1.49	0.97	28.74	31.34	31.68	2.21	-34.15	-54.21			
6200	19.00	27.98	9.61	24.52	1.49	0.98	28.03	31.05	31.38	2.13	-36.76	-54.02			
6400	18.88	27.99	9.61	34.70	1.50	0.99	26.58	30.24	30.74	2.20	-39.92	-51.55			
6600	18.76	27.98	9.97	25.13	1.50	1.00	25.37	29.46	30.18	2.19	-42.38	-48.98			
6800	18.53	28.15	10.51	17.53	1.53	0.99	24.76	28.83	29.79	2.26	-43.53	-46.91			
7000	18.14	28.43	10.89	13.04	1.57	0.97	22.86	26.01	28.80	2.24	-44.33	-45.91			
7200	17.57	29.00	10.75	10.27	1.66	0.95	21.41	25.19	28.30	2.31	-46.33	-44.91			
7400	16.99	29.54	9.89	8.59	1.74	0.93	20.20	24.62	27.54	2.48	-49.16	-44.74			
7600	16.63	29.89	8.83	7.61	1.75	0.92	18.38	23.65	27.01	2.40	-46.83	-46.93			
7800	16.43	30.22	7.58	6.52	1.70	0.89	17.28	23.22	26.75	2.50	-40.62	-47.45			
8000	15.90	30.79	6.10	5.09	1.65	0.82	15.27	21.45	24.92	2.65	-32.84	-55.51			

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: $V_{DD} = +10\text{ V}$, $V_{adj} = \text{Open}$ @ Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		1dB Comp. Output	3dB Comp. Output	Psat Output	Noise Figure	2nd Harmonics	3rd Harmonics	FREQ	OIP3 Output	OIP2 Output
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dBm)	(dB)	(dBc)	(dBc)	(MHz)	(dBm)	(dBm)
10	25.01	32.50	13.63	14.39	1.25	0.85	28.23	29.19	31.64	9.69	-28.08	-40.99	10	34.19	39.92
20	23.42	30.57	11.42	9.00	1.12	0.75	30.74	30.81	30.18	5.55	-26.65	-42.61	20	34.73	41.38
30	22.35	29.55	11.34	8.30	1.15	0.69	31.31	31.31	31.30	4.07	-26.34	-41.62	30	35.56	41.23
40	21.83	28.96	11.18	8.10	1.16	0.65	30.74	30.68	30.46	3.61	-25.71	-40.64	40	35.72	40.92
50	21.54	28.81	11.12	8.01	1.18	0.65	29.83	29.72	29.51	3.63	-25.85	-41.13	50	33.13	40.61
60	21.38	28.71	11.08	7.97	1.19	0.64	30.37	30.25	30.08	3.43	-24.98	-40.91	60	35.83	40.32
70	21.26	28.66	11.09	7.95	1.20	0.64	30.21	30.12	29.89	3.37	-25.02	-41.21	70	35.96	40.41
80	21.21	28.52	11.07	7.96	1.20	0.63	30.00	29.93	29.67	3.12	-25.26	-41.03	80	35.99	40.27
90	21.16	28.72	11.06	7.96	1.22	0.64	29.74	29.71	29.51	3.07	-25.22	-41.38	90	36.05	40.21
100	21.14	28.57	11.07	7.95	1.22	0.63	30.39	30.39	30.25	3.10	-24.84	-41.51	100	36.09	40.22
150	21.11	28.45	11.07	8.04	1.22	0.63	30.16	30.25	30.07	2.88	-25.20	-43.12	200	36.69	40.43
200	21.12	28.47	11.11	8.16	1.22	0.64	30.06	30.21	30.03	2.77	-25.88	-44.41	300	37.02	40.52
300	21.16	28.51	11.34	8.41	1.23	0.65	29.72	29.76	29.64	2.64	-26.09	-45.55	400	37.33	41.12
400	21.17	28.35	11.60	8.71	1.22	0.65	31.07	31.19	31.09	2.62	-26.28	-47.25	500	37.24	40.96
500	21.16	28.23	12.03	9.07	1.22	0.67	30.38	30.50	30.32	2.62	-26.16	-46.07	600	37.09	40.41
600	21.16	28.25	12.48	9.56	1.23	0.69	30.15	30.29	30.14	2.60	-26.56	-46.37	700	36.74	40.56
700	21.12	28.25	13.04	10.13	1.24	0.71	30.35	30.54	30.33	2.57	-25.71	-45.91	800	36.54	40.19
800	21.05	28.27	13.81	10.92	1.26	0.74	30.33	30.44	30.30	2.63	-25.87	-45.08	900	36.59	40.37
900	21.08	28.23	14.28	11.60	1.25	0.76	30.48	30.65	30.52	2.59	-25.64	-44.43	1000	36.50	39.44
1000	21.05	28.28	14.81	12.38	1.26	0.78	30.47	30.67	30.56	2.58	-25.04	-44.54	1500	36.11	36.79
1200	20.94	28.21	15.55	14.04	1.27	0.81	30.96	31.21	31.12	2.50	-23.67	-43.08	2000	35.77	34.76
1400	20.79	28.22	15.38	15.28	1.29	0.84	30.80	31.09	31.02	2.46	-22.98	-41.84	2500	35.14	35.12
1600	20.62	28.24	14.22	15.10	1.30	0.86	30.83	31.24	31.18	2.42	-22.48	-42.63	3000	35.07	34.68
1800	20.39	28.34	12.73	13.78	1.32	0.86	30.54	30.97	30.91	2.39	-20.72	-40.53	3500	35.25	37.14
2000	20.10	28.55	11.37	12.29	1.35	0.87	30.74	31.23	31.15	2.41	-19.14	-40.06	4000	35.47	39.95
2200	19.80	28.67	10.44	11.24	1.38	0.87	30.83	31.28	31.18	2.42	-20.19	-40.36	4500	36.51	43.17
2400	19.66	28.61	10.00	10.68	1.38	0.85	30.84	31.26	31.19	2.31	-19.94	-41.47	5000	37.30	47.23
2600	19.57	28.55	9.75	10.19	1.38	0.84	30.72	31.21	31.11	2.25	-19.10	-42.76	5500	36.41	49.20
2800	19.48	28.48	9.64	9.92	1.39	0.82	31.09	31.56	31.38	2.21	-18.74	-46.25	6000	35.97	49.40
3000	19.42	28.43	9.83	9.89	1.40	0.81	31.34	31.79	31.62	2.10	-18.19	-47.67			
3200	19.39	28.26	10.29	10.15	1.40	0.81	30.85	31.42	31.28	2.11	-18.63	-48.27			
3400	19.38	28.10	11.06	10.65	1.41	0.81	30.81	31.52	31.36	2.10	-19.61	-50.03			
3600	19.39	27.91	12.19	11.37	1.42	0.81	30.53	31.26	31.09	2.10	-20.89	-51.84			
3800	19.42	27.80	13.68	12.31	1.43	0.81	30.62	31.32	31.25	2.13	-22.06	-52.28			
4000	19.40	27.71	15.55	13.47	1.44	0.82	30.71	31.50	31.49	2.13	-23.16	-53.24			
4200	19.36	27.56	17.50	14.84	1.45	0.83	30.62	31.40	31.43	2.17	-24.53	-57.06			
4400	19.25	27.57	18.70	16.21	1.47	0.85	30.16	31.25	31.31	2.12	-26.59	-58.26			
4600	19.07	27.62	18.38	17.28	1.51	0.86	29.59	30.76	30.87	2.20	-26.57	-55.22			
4800	18.89	27.77	17.17	17.49	1.55	0.88	29.39	30.56	30.76	2.27	-27.09	-54.26			
5000	18.80	27.84	15.42	17.23	1.57	0.89	29.02	30.28	30.51	2.26	-28.86	-53.80			
5200	18.78	27.76	13.54	17.01	1.54	0.91	28.84	30.16	30.40	2.34	-28.86	-53.19			
5400	18.75	27.68	11.98	17.14	1.52	0.92	29.61	30.95	31.15	2.12	-31.18	-53.80			
5600	18.68	27.60	10.84	17.38	1.50	0.94	28.79	30.07	30.20	2.16	-30.65	-56.09			
5800	18.57	27.63	10.02	18.12	1.50	0.96	29.13	30.43	30.72	2.18	-31.80	-55.92			
6000	18.46	27.63	9.56	19.62	1.51	0.98	28.17	29.79	30.06	2.18	-30.49	-55.81			
6200	18.31	27.62	9.39	21.86	1.52	0.99	27.22	29.53	29.84	2.14	-33.19	-55.90			
6400	18.17	27.57	9.39	25.06	1.52	1.01	25.78	28.64	29.25	2.19	-36.49	-52.97			
6600	18.03	27.61	9.68	21.47	1.53	1.01	24.41	28.04	28.72	2.22	-39.13	-49.17			
6800	17.76	27.68	10.08	16.10	1.54	1.00	23.63	27.21	28.45	2.32	-41.09	-46.07			
7000	17.34	28.17	10.32	12.20	1.62	0.98	21.58	25.09	27.43	2.24	-43.34	-44.80			
7200	16.74	28.69	10.08	9.66	1.71	0.95	19.77	24.17	26.83	2.36	-45.95	-43.67			
7400	16.13	29.37	9.27	8.12	1.81	0.93	18.78	23.70	26.01	2.49	-48.63	-43.22			
7600	15.74	29.73	8.28	7.16	1.82	0.92	16.19	23.10	25.43	2.41	-44.19	-47.04			
7800	15.49	29.94	7.11	6.06	1.74	0.88	15.02	22.35	25.25	2.60	-37.87	-55.45			
8000	14.90	30.53	5.75	4.70	1.68	0.80	12.74	20.57	23.50	2.67	-30.75	-45.01			

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: $V_{DD} = +12.5\text{ V}$, $V_{Iadj} = \text{Open}$ @ Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		1dB Comp. Output	3dB Comp. Output	Psat Output	Noise Figure	2nd Harmonics	3rd Harmonics	FREQ	OIP3 Output	OIP2 Output
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dBm)	(dB)	(dBc)	(dBc)	(MHz)	(dBm)	(dBm)
10	25.81	34.68	12.30	12.37	1.35	0.90	31.41	31.33	30.18	9.91	-32.59	-44.42	10	35.23	43.04
20	24.05	30.39	10.91	8.03	1.07	0.64	32.72	34.03	32.63	5.74	-29.87	-45.06	20	35.57	44.44
30	22.91	30.28	10.42	7.25	1.13	0.64	33.35	33.74	33.21	4.36	-28.59	-43.49	30	36.33	44.23
40	22.37	29.82	10.17	7.01	1.15	0.61	32.87	32.65	32.63	3.84	-28.24	-42.21	40	36.69	43.84
50	22.06	29.45	10.12	6.92	1.15	0.60	31.91	31.89	31.72	3.76	-28.73	-42.52	50	36.80	43.59
60	21.90	29.53	10.05	6.90	1.18	0.60	32.59	32.47	32.31	3.57	-27.08	-42.36	60	36.86	43.30
70	21.77	29.62	10.04	6.88	1.20	0.60	32.30	32.28	32.09	3.51	-27.55	-42.49	70	36.88	43.43
80	21.72	29.53	10.04	6.89	1.20	0.60	32.04	32.01	31.79	3.23	-27.95	-42.66	80	36.96	43.29
90	21.67	29.54	10.01	6.88	1.21	0.60	31.80	31.78	31.64	3.19	-27.60	-42.88	90	37.00	43.25
100	21.64	29.52	9.99	6.89	1.21	0.60	32.47	32.46	32.36	3.13	-27.22	-43.51	100	37.02	43.37
150	21.59	29.46	9.95	6.96	1.22	0.60	32.15	32.30	32.13	2.98	-27.91	-44.95	200	37.28	44.41
200	21.61	29.31	9.99	7.06	1.21	0.60	32.13	32.18	32.08	2.79	-28.93	-46.54	300	37.38	44.74
300	21.65	29.23	10.17	7.27	1.21	0.61	31.68	31.71	31.58	2.68	-29.58	-48.94	400	37.72	45.55
400	21.67	29.18	10.40	7.52	1.21	0.62	33.03	33.17	33.08	2.61	-30.48	-50.31	500	37.70	45.97
500	21.67	29.13	10.74	7.84	1.21	0.63	32.30	32.44	32.32	2.65	-30.85	-49.96	600	37.61	45.94
600	21.68	29.13	11.14	8.24	1.22	0.65	32.07	32.18	32.06	2.63	-31.17	-49.65	700	37.50	46.37
700	21.67	29.14	11.63	8.75	1.24	0.68	32.32	32.44	32.34	2.64	-31.31	-49.88	800	37.49	46.30
800	21.61	29.17	12.34	9.42	1.26	0.71	32.26	32.37	32.22	2.59	-31.55	-48.86	900	37.61	46.84
900	21.67	29.03	12.81	10.05	1.25	0.73	32.38	32.53	32.48	2.62	-31.97	-48.18	1000	37.63	46.05
1000	21.67	28.97	13.41	10.78	1.25	0.75	32.42	32.62	32.51	2.62	-31.31	-48.46	1500	37.19	41.45
1200	21.62	28.99	14.60	12.53	1.27	0.79	32.92	33.20	33.12	2.51	-30.59	-47.03	2000	37.57	41.66
1400	21.54	28.95	15.35	14.51	1.29	0.83	32.79	33.10	33.06	2.47	-30.33	-46.35	2500	37.03	41.99
1600	21.44	28.85	15.07	15.92	1.29	0.85	32.89	33.33	33.31	2.48	-29.75	-47.09	3000	37.19	41.45
1800	21.26	28.91	13.89	15.70	1.31	0.86	32.74	33.17	33.12	2.43	-28.26	-45.91	3500	38.81	43.15
2000	21.02	29.01	12.55	14.34	1.34	0.87	32.92	33.46	33.41	2.36	-26.71	-45.21	4000	40.22	44.31
2200	20.74	29.21	11.49	13.11	1.37	0.88	33.04	33.56	33.42	2.40	-28.16	-46.25	4500	42.31	47.00
2400	20.63	29.14	11.02	12.42	1.37	0.87	33.04	33.51	33.41	2.34	-27.75	-47.16	5000	41.13	50.15
2600	20.55	28.96	10.73	11.80	1.36	0.84	33.00	33.47	33.49	2.21	-26.86	-48.06	5500	40.22	52.55
2800	20.47	29.05	10.58	11.43	1.39	0.84	33.31	33.76	33.64	2.18	-26.46	-51.36	6000	39.45	53.92
3000	20.41	28.83	10.76	11.35	1.38	0.82	33.48	33.80	33.81	2.16	-25.62	-52.50			
3200	20.37	28.75	11.26	11.60	1.39	0.82	33.00	33.47	33.46	2.12	-26.19	-53.30			
3400	20.35	28.71	12.12	12.19	1.41	0.82	32.99	33.73	33.63	2.08	-26.67	-54.51			
3600	20.35	28.49	13.38	13.05	1.41	0.81	32.81	33.44	33.25	2.07	-27.64	-56.27			
3800	20.35	28.42	15.11	14.23	1.42	0.82	32.77	33.53	33.42	2.16	-27.73	-56.44			
4000	20.33	28.36	17.29	15.75	1.43	0.83	32.80	33.63	33.57	2.08	-28.37	-57.25			
4200	20.26	28.25	19.45	17.57	1.44	0.84	32.53	33.44	33.48	2.16	-29.31	-59.29			
4400	20.14	28.15	20.13	19.56	1.45	0.85	32.13	33.16	33.26	2.16	-31.12	-58.32			
4600	19.97	28.36	19.06	20.99	1.50	0.87	31.43	32.56	32.71	2.28	-31.03	-55.42			
4800	19.80	28.37	17.53	21.12	1.53	0.88	31.33	32.40	32.59	2.21	-31.72	-54.51			
5000	19.72	28.40	15.72	20.48	1.53	0.89	31.02	32.19	32.39	2.25	-33.33	-53.78			
5200	19.71	28.35	13.85	20.10	1.52	0.90	30.83	32.17	32.37	2.25	-33.60	-52.91			
5400	19.69	28.20	12.27	19.95	1.48	0.91	31.59	32.98	33.16	2.08	-35.82	-53.56			
5600	19.62	28.20	11.11	19.88	1.48	0.93	30.64	32.02	32.06	2.14	-35.08	-55.20			
5800	19.52	28.24	10.28	20.38	1.48	0.95	30.86	32.46	32.67	2.19	-36.05	-55.11			
6000	19.40	28.11	9.79	21.73	1.47	0.96	29.05	31.80	31.99	2.23	-34.89	-54.41			
6200	19.28	28.12	9.67	24.40	1.48	0.97	28.23	31.38	31.69	2.12	-37.45	-53.90			
6400	19.16	28.04	9.69	35.63	1.47	0.98	26.89	30.58	30.96	2.16	-40.59	-51.49			
6600	19.05	28.16	10.04	26.68	1.49	0.99	25.67	29.74	30.48	2.16	-42.92	-49.07			
6800	18.84	28.21	10.62	18.14	1.50	0.99	25.12	29.09	30.21	2.23	-43.97	-46.99			
7000	18.46	28.58	11.04	13.43	1.56	0.97	23.29	26.47	29.15	2.21	-44.56	-46.07			
7200	17.91	29.09	10.93	10.53	1.64	0.95	21.86	25.61	28.54	2.30	-46.69	-45.23			
7400	17.34	29.58	10.06	8.81	1.70	0.94	20.61	24.89	27.71	2.40	-49.32	-45.14			
7600	16.97	29.94	8.96	7.81	1.72	0.93	18.80	23.72	27.34	2.35	-47.34	-47.08			
7800	16.80	30.31	7.68	6.72	1.68	0.90	18.07	23.42	27.15	2.48	-41.38	-47.48			
8000	16.29	30.89	6.14	5.24	1.63	0.83	15.63	21.44	25.36	2.58	-33.57	-51.17			

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: $V_{DD} = +12\text{ V}$, $V_{Iadj} = \text{Open}$ @ Temperature = -55°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		1dB Comp. Output	3dB Comp. Output	Psat Output	Noise Figure	FREQ	OIP3 Output	OIP2 Output
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dBm)	(dB)	(MHz)	(dBm)	(dBm)
10	26.02	33.59	12.67	12.65	1.23	0.85	30.19	31.02	30.49	9.86	10	35.07	42.99
20	24.21	30.40	10.60	7.78	1.02	0.65	31.94	33.16	31.96	6.03	20	35.24	44.49
30	23.07	29.83	10.08	7.00	1.07	0.61	33.27	33.44	33.11	5.00	30	35.99	44.27
40	22.52	30.13	9.91	6.77	1.15	0.61	32.62	32.58	32.38	4.60	40	36.30	43.82
50	22.22	29.90	9.85	6.70	1.17	0.59	31.63	31.54	31.41	4.59	50	36.46	43.44
60	22.04	29.92	9.79	6.67	1.19	0.60	32.52	32.55	32.30	4.47	60	36.57	43.30
70	21.92	30.10	9.78	6.66	1.22	0.61	32.06	32.03	31.84	4.33	70	36.56	43.29
80	21.87	29.82	9.73	6.65	1.20	0.59	31.94	31.91	31.76	4.10	80	36.56	43.22
90	21.82	29.80	9.74	6.66	1.21	0.59	31.66	31.62	31.45	4.07	90	36.64	43.16
100	21.79	29.76	9.72	6.66	1.21	0.59	32.30	32.27	32.11	4.00	100	36.70	43.18
150	21.75	29.71	9.71	6.73	1.21	0.59	31.98	32.06	31.90	3.74	200	36.98	43.98
200	21.77	29.63	9.72	6.84	1.21	0.59	31.95	32.06	31.89	3.49	300	37.06	44.40
300	21.81	29.61	9.89	7.04	1.22	0.60	31.48	31.60	31.42	3.32	400	37.39	45.57
400	21.82	29.47	10.06	7.24	1.21	0.61	32.90	33.08	32.94	3.28	500	37.31	46.14
500	21.83	29.42	10.35	7.53	1.21	0.62	32.31	32.49	32.29	3.21	600	37.18	45.56
600	21.84	29.30	10.72	7.88	1.21	0.64	31.93	32.10	31.95	3.19	700	36.94	46.56
700	21.83	29.37	11.16	8.34	1.23	0.67	31.94	32.16	32.02	3.21	800	36.77	46.71
800	21.75	29.38	11.87	8.98	1.25	0.70	32.11	32.28	32.09	3.22	900	36.85	46.78
900	21.83	29.38	12.31	9.54	1.25	0.72	32.11	32.37	32.25	3.20	1000	36.91	45.65
1000	21.85	29.25	12.85	10.17	1.25	0.73	32.14	32.45	32.35	3.18	1500	37.20	42.08
1200	21.81	29.24	14.05	11.76	1.27	0.78	32.63	33.00	32.96	3.20	2000	37.60	39.90
1400	21.74	29.18	15.12	13.64	1.28	0.82	32.49	32.95	32.90	3.09	2500	37.51	40.46
1600	21.67	29.11	15.35	15.35	1.29	0.84	32.46	33.09	33.09	3.07	3000	37.83	39.91
1800	21.54	29.03	14.55	15.84	1.30	0.85	32.59	33.21	33.24	3.06	3500	38.81	41.51
2000	21.33	29.15	13.26	14.88	1.32	0.86	32.60	33.41	33.42	3.08	4000	39.27	42.29
2200	21.02	29.27	12.01	13.61	1.35	0.87	32.65	33.46	33.41	3.05	4500	41.06	43.96
2400	20.92	29.23	11.65	13.11	1.36	0.87	32.83	33.61	33.60	3.03	5000	43.13	47.73
2600	20.90	29.08	11.41	12.57	1.35	0.84	32.26	33.17	33.14	2.88	5500	41.66	50.06
2800	20.84	28.99	11.26	12.20	1.35	0.83	32.92	33.82	33.71	2.85	6000	41.20	51.76
3000	20.79	28.88	11.45	12.12	1.35	0.82	33.09	34.07	33.99	2.79			
3200	20.75	28.78	11.96	12.38	1.36	0.81	32.42	33.37	33.38	2.78			
3400	20.73	28.66	12.85	12.97	1.37	0.81	32.53	33.58	33.54	2.78			
3600	20.72	28.52	14.13	13.88	1.37	0.81	32.30	33.39	33.25	2.73			
3800	20.71	28.42	15.82	15.04	1.38	0.81	32.19	33.31	33.31	2.76			
4000	20.70	28.21	17.95	16.53	1.37	0.81	32.36	33.58	33.59	2.71			
4200	20.64	28.24	20.09	18.41	1.39	0.82	32.70	33.73	33.80	2.79			
4400	20.52	28.27	20.79	20.72	1.42	0.84	31.48	32.89	33.01	2.74			
4600	20.31	28.23	19.82	23.20	1.44	0.85	30.74	32.32	32.37	2.92			
4800	20.07	28.58	18.79	23.34	1.52	0.88	30.91	32.36	32.66	2.93			
5000	20.03	28.42	16.99	22.48	1.50	0.88	30.59	32.17	32.54	2.85			
5200	20.11	28.32	14.72	22.95	1.46	0.89	30.29	31.89	32.32	3.00			
5400	20.14	28.14	12.94	24.10	1.42	0.90	29.90	31.80	32.10	2.86			
5600	20.09	28.03	11.70	24.84	1.40	0.91	29.96	31.61	31.74	2.89			
5800	19.99	28.01	10.87	25.78	1.40	0.92	29.66	31.39	31.54	2.90			
6000	19.87	28.02	10.38	26.81	1.40	0.94	27.97	30.45	30.75	2.93			
6200	19.76	27.99	10.26	28.75	1.41	0.94	28.24	31.44	31.75	2.84			
6400	19.64	27.80	10.29	27.27	1.39	0.95	27.45	30.98	31.50	2.83			
6600	19.55	27.89	10.74	21.53	1.39	0.95	25.10	29.03	29.94	2.90			
6800	19.36	28.08	11.57	16.53	1.42	0.94	26.07	29.40	30.94	3.01			
7000	18.99	28.36	12.39	12.81	1.46	0.93	22.05	26.26	29.08	2.94			
7200	18.45	28.85	12.75	10.36	1.54	0.91	21.78	26.03	29.02	3.06			
7400	17.99	29.33	12.06	9.02	1.61	0.90	21.18	25.67	28.38	3.17			
7600	17.90	29.39	11.17	8.17	1.56	0.89	20.79	25.08	28.11	3.18			
7800	17.85	29.41	9.80	7.07	1.48	0.86	20.14	24.47	27.54	3.31			
8000	17.44	30.04	7.87	5.75	1.47	0.81	18.82	22.94	25.82	3.44			

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: $V_{DD} = +12\text{ V}$, $V_{Iadj} = \text{Open}$ @ Temperature = $+85^\circ\text{C}$

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		1dB Comp. Output	3dB Comp. Output	Psat Output	Noise Figure	FREQ	OIP3 Output	OIP2 Output
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dBm)	(dB)	(MHz)	(dBm)	(dBm)
10	25.61	32.37	13.20	13.75	1.18	0.82	30.01	29.68	28.32	10.13	10	34.52	41.84
20	23.84	29.68	10.99	8.37	1.01	0.66	31.10	31.96	31.31	6.20	20	35.27	43.50
30	22.73	29.26	10.73	7.58	1.08	0.62	32.71	32.26	32.33	5.03	30	36.15	43.41
40	22.18	29.57	10.48	7.31	1.15	0.63	32.08	32.05	32.01	4.66	40	36.58	43.08
50	21.88	29.41	10.41	7.23	1.18	0.62	31.37	31.34	31.12	4.72	50	36.73	42.73
60	21.71	29.59	10.37	7.19	1.21	0.63	31.65	31.71	31.40	4.61	60	36.78	42.68
70	21.60	29.33	10.38	7.17	1.20	0.62	31.60	31.55	31.38	4.58	70	36.80	42.67
80	21.54	29.29	10.36	7.18	1.21	0.61	31.50	31.45	31.28	4.29	80	36.81	42.60
90	21.49	29.26	10.35	7.17	1.21	0.61	31.30	31.25	31.12	4.30	90	36.86	42.56
100	21.46	29.19	10.32	7.17	1.21	0.61	31.67	31.63	31.48	4.28	100	36.89	42.67
150	21.42	29.14	10.29	7.24	1.22	0.61	31.32	31.34	31.25	4.10	200	37.27	43.74
200	21.43	29.07	10.33	7.34	1.22	0.61	31.60	31.61	31.52	3.89	300	37.47	44.16
300	21.48	28.84	10.55	7.56	1.20	0.61	31.07	31.15	31.07	3.68	400	37.85	44.96
400	21.49	28.88	10.79	7.84	1.21	0.63	32.65	32.80	32.69	3.66	500	37.82	45.39
500	21.49	28.88	11.18	8.19	1.22	0.65	31.41	31.57	31.45	3.62	600	37.76	45.22
600	21.50	28.89	11.61	8.62	1.23	0.67	31.34	31.47	31.38	3.60	700	37.63	45.60
700	21.47	28.86	12.13	9.18	1.24	0.69	31.84	32.05	31.89	3.63	800	37.57	45.53
800	21.43	28.87	12.81	9.88	1.26	0.72	31.70	31.80	31.69	3.57	900	37.69	45.87
900	21.47	28.85	13.33	10.56	1.26	0.74	31.82	32.01	31.92	3.56	1000	37.64	45.07
1000	21.46	28.78	13.95	11.35	1.26	0.76	31.95	32.14	32.06	3.58	1500	37.34	42.60
1200	21.40	28.71	15.01	13.24	1.28	0.80	32.49	32.78	32.71	3.55	2000	36.95	40.29
1400	21.29	28.74	15.35	15.20	1.30	0.84	32.08	32.37	32.31	3.48	2500	36.21	40.60
1600	21.15	28.70	14.65	16.11	1.31	0.86	32.31	32.71	32.68	3.49	3000	36.23	39.82
1800	20.96	28.75	13.32	15.33	1.32	0.87	31.59	31.94	31.85	3.39	3500	37.61	42.11
2000	20.72	28.90	12.01	13.81	1.35	0.87	31.95	32.40	32.35	3.44	4000	38.70	43.83
2200	20.46	29.02	10.97	12.51	1.37	0.87	32.17	32.58	32.47	3.45	4500	40.20	46.24
2400	20.28	29.03	10.41	11.68	1.39	0.86	31.91	32.33	32.27	3.42	5000	39.73	49.29
2600	20.16	29.02	10.13	11.10	1.40	0.85	32.16	32.67	32.55	3.35	5500	38.41	51.36
2800	20.07	28.95	10.04	10.80	1.40	0.84	31.86	32.23	32.12	3.30	6000	37.91	53.32
3000	20.02	28.86	10.22	10.74	1.41	0.83	31.84	32.27	32.13	3.22			
3200	19.99	28.72	10.71	10.98	1.42	0.82	31.61	32.15	32.04	3.19			
3400	19.98	28.59	11.52	11.51	1.43	0.82	32.05	32.72	32.65	3.15			
3600	19.99	28.40	12.74	12.35	1.43	0.82	31.93	32.51	32.41	3.12			
3800	20.00	28.30	14.38	13.43	1.44	0.82	31.61	32.39	32.33	3.12			
4000	19.99	28.17	16.38	14.83	1.45	0.83	31.84	32.59	32.57	3.14			
4200	19.96	28.09	18.32	16.49	1.46	0.84	31.88	32.68	32.67	3.19			
4400	19.88	28.13	18.94	18.25	1.48	0.85	31.38	32.33	32.36	3.15			
4600	19.74	28.18	17.85	19.82	1.51	0.87	30.89	31.91	31.98	3.31			
4800	19.50	28.28	16.49	20.12	1.55	0.89	30.45	31.43	31.56	3.33			
5000	19.18	28.52	15.60	18.36	1.63	0.90	29.88	31.13	31.31	3.41			
5200	19.16	28.48	14.03	16.89	1.61	0.91	30.20	31.52	31.70	3.54			
5400	19.31	28.23	11.85	16.84	1.53	0.92	31.74	33.07	33.16	3.22			
5600	19.31	28.10	10.41	16.96	1.49	0.94	29.57	30.99	31.06	3.24			
5800	19.18	28.19	9.53	17.40	1.49	0.96	31.31	32.81	32.95	3.25			
6000	19.03	28.11	9.08	18.32	1.49	0.97	30.02	32.23	32.56	3.33			
6200	18.89	28.10	9.03	20.41	1.50	0.99	27.74	30.65	30.91	3.30			
6400	18.76	28.05	9.02	25.43	1.51	1.01	25.71	29.13	29.48	3.30			
6600	18.63	28.14	9.37	24.96	1.52	1.02	25.57	29.53	30.20	3.36			
6800	18.28	28.37	9.86	17.34	1.58	1.01	22.95	26.96	27.93	3.46			
7000	17.64	28.98	9.95	12.64	1.70	1.00	21.85	25.21	27.59	3.41			
7200	16.74	29.82	9.48	10.40	1.92	1.00	19.88	24.41	26.42	3.53			
7400	16.55	29.95	8.79	9.78	1.92	1.00	19.49	24.34	26.32	3.72			
7600	16.69	29.86	8.00	8.08	1.75	0.96	17.46	22.76	25.62	3.56			
7800	16.22	30.57	6.65	6.00	1.72	0.87	15.91	21.66	24.96	3.69			
8000	15.21	31.52	5.18	4.43	1.73	0.78	13.45	19.63	23.19	3.87			

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: $V_{DD} = +12\text{ V}$, $V_{\text{adj}} = \text{Open}$ @ Temperature = +25°C

FREQ	OIP3 $P_{\text{OUT}} = +12\text{ dBm}$	OIP3 $P_{\text{OUT}} = +15\text{ dBm}$	OIP3 $P_{\text{OUT}} = +18\text{ dBm}$	OIP3 $P_{\text{OUT}} = +21\text{ dBm}$	OIP3 $P_{\text{OUT}} = +24\text{ dBm}$
(MHz)	(dBm)	(dBm)	(dBm)	(dBm)	(dBm)
10	33.33	32.70	34.91	37.92	38.60
20	32.98	32.84	35.35	38.85	40.57
30	33.14	33.35	36.06	39.89	41.61
40	33.32	33.66	36.47	40.41	42.07
50	33.48	33.80	36.53	40.30	42.16
60	33.65	33.92	36.61	40.22	42.30
70	33.83	33.98	36.66	40.20	42.25
80	33.87	34.02	36.69	40.12	42.17
90	33.93	34.04	36.72	40.17	41.97
100	34.05	34.08	36.85	40.11	41.88
200	35.27	34.70	37.03	39.97	41.22
300	35.75	34.94	37.17	39.83	40.89
400	36.35	35.20	37.37	39.84	40.51
500	36.59	35.36	37.34	39.56	40.50
600	36.69	35.47	37.36	39.31	40.61
700	36.46	35.43	37.33	39.01	40.04
800	36.36	35.41	37.30	38.66	39.56
900	36.45	35.48	37.31	38.58	39.71
1000	36.19	35.40	37.26	38.42	39.46
1500	36.04	35.52	37.31	38.16	39.21
2000	36.16	35.88	37.29	38.08	38.52
2500	36.92	36.25	36.72	37.89	38.86
3000	37.35	36.75	36.52	36.99	38.67
3500	38.75	38.30	37.76	37.14	38.64
4000	40.06	39.89	38.91	37.42	38.48
4500	39.39	39.75	40.87	38.42	38.66
5000	38.14	38.72	41.15	40.40	38.35
5500	37.50	38.22	39.35	38.31	38.32
6000	36.86	37.75	39.06	38.13	37.91

Power	OIP3 (@10 MHz)	OIP3 (@1000 MHz)	OIP3 (@2000 MHz)	OIP3 (@3000 MHz)	OIP3 (@4000 MHz)
(dBm)	(dBm)	(dBm)	(dBm)	(dBm)	(dBm)
12.00	33.33	36.19	36.16	37.35	40.06
15.00	32.70	35.40	35.88	36.75	39.89
18.00	34.91	37.26	37.29	36.52	38.91
21.00	37.92	38.42	38.08	36.99	37.42
24.00	38.60	39.46	38.52	38.67	38.48

Typical Performance Data

TEST CONDITIONS: $V_{DD} = +12\text{ V}$, $V_{Iadj} = 0\text{ V}$ @ Temperature = $+25^\circ\text{C}$

FREQ	P _{IN}	P _{OUT}	Gain	FREQ	P _{IN}	P _{OUT}	Gain	FREQ	P _{IN}	P _{OUT}	Gain
(MHz)	(dBm)	(dBm)	(dB)	(MHz)	(dBm)	(dBm)	(dB)	(MHz)	(dBm)	(dBm)	(dB)
10	0	26.84	28.96	100	0	21.63	20.66	500	0	21.67	22.56
10	0.5	27.40	29.05	100	0.5	22.16	20.71	500	0.5	22.21	22.57
10	1	27.96	29.13	100	1	22.71	20.77	500	1	22.74	22.60
10	1.5	28.50	29.19	100	1.5	23.26	20.82	500	1.5	23.27	22.61
10	2	29.03	29.27	100	2	23.80	20.87	500	2	23.80	22.62
10	2.5	29.61	29.27	100	2.5	24.35	20.92	500	2.5	24.33	22.64
10	3	30.00	29.31	100	3	24.89	20.96	500	3	24.85	22.66
10	3.5	30.32	29.22	100	3.5	25.43	21.00	500	3.5	25.38	22.68
10	4	30.60	29.06	100	4	25.98	21.05	500	4	25.91	22.69
10	4.5	30.85	28.84	100	4.5	26.52	21.09	500	4.5	26.44	22.71
10	5	31.08	28.57	100	5	27.06	21.12	500	5	26.94	22.72
10	5.5	31.31	28.26	100	5.5	27.59	21.15	500	5.5	27.48	22.74
10	6	31.51	27.91	100	6	28.11	21.18	500	6	28.01	22.75
10	6.5	31.69	27.53	100	6.5	28.62	21.19	500	6.5	28.53	22.74
10	7	31.83	27.12	100	7	29.12	21.20	500	7	29.03	22.70
10	7.5	31.94	26.68	100	7.5	29.61	21.23	500	7.5	29.52	22.67
10	8	32.02	26.22	100	8	30.08	21.24	500	8	30.00	22.63
10	8.5	32.09	25.73	100	8.5	30.45	21.18	500	8.5	30.45	22.53
10	9	32.13	25.23	100	9	30.79	21.09	500	9	30.86	22.35
10	9.5	32.16	24.71	100	9.5	31.09	20.96	500	9.5	31.22	22.13
10	10	32.17	24.18	100	10	31.36	20.78	500	10	31.53	21.81
10	10.5	32.17	23.67	100	10.5	31.58	20.55	500	10.5	31.77	21.44
10	11	32.17	23.13	100	11	31.75	20.27	500	11	31.92	21.03
10	11.5	32.17	22.59	100	11.5	31.86	19.96	500	11.5	32.02	20.57
10	12	32.16	22.04	100	12	31.93	19.61	500	12	32.09	20.08
10	12.5	32.15	21.49	100	12.5	31.96	19.24	500	12.5	32.13	19.56
10	13	32.13	20.93	100	13	31.97	18.85	500	13	32.15	19.02
10	13.5	32.12	20.38	100	13.5	31.97	18.43	500	13.5	32.16	18.46
10	14	32.10	19.82	100	14	31.96	18.02	500	14	32.16	17.90
10	14.5	32.09	19.26	100	14.5	31.95	17.59	500	14.5	32.15	17.34
10	15	32.07	18.69	100	15	31.94	17.16	500	15	32.14	16.80
10	15.5	32.05	18.09	100	15.5	31.92	16.72	500	15.5	32.13	16.23
10	16	32.03	17.53	100	16	31.90	16.27	500	16	32.11	15.66
10	16.5	32.01	16.98	100	16.5	31.88	15.81	500	16.5	32.09	15.08
10	17	31.98	16.42	100	17	31.86	15.35	500	17	32.06	14.51
10	17.5	31.96	15.87	100	17.5	31.84	14.89	500	17.5	32.04	13.93
10	18	31.93	15.32	100	18	31.81	14.42	500	18	32.01	13.35

Typical Performance Data

TEST CONDITIONS: $V_{DD} = +12\text{ V}$, $V_{Iadj} = 0\text{ V}$ @ Temperature = $+25^\circ\text{C}$

FREQ	P _{IN}	P _{OUT}	Gain	FREQ	P _{IN}	P _{OUT}	Gain
(MHz)	(dBm)	(dBm)	(dB)	(MHz)	(dBm)	(dBm)	(dB)
2000	0	20.80	20.88	4000	0	20.07	19.92
2000	0.5	21.31	20.89	4000	0.5	20.56	19.91
2000	1	21.81	20.89	4000	1	21.06	19.91
2000	1.5	22.31	20.88	4000	1.5	21.55	19.90
2000	2	22.81	20.88	4000	2	22.04	19.88
2000	2.5	23.30	20.86	4000	2.5	22.52	19.87
2000	3	23.79	20.84	4000	3	23.00	19.85
2000	3.5	24.27	20.82	4000	3.5	23.48	19.82
2000	4	24.76	20.81	4000	4	23.96	19.80
2000	4.5	25.26	20.83	4000	4.5	24.43	19.80
2000	5	25.76	20.84	4000	5	24.90	19.77
2000	5.5	26.28	20.85	4000	5.5	25.36	19.73
2000	6	26.80	20.86	4000	6	25.82	19.69
2000	6.5	27.31	20.88	4000	6.5	26.28	19.65
2000	7	27.82	20.89	4000	7	26.75	19.62
2000	7.5	28.33	20.89	4000	7.5	27.22	19.59
2000	8	28.84	20.90	4000	8	27.68	19.56
2000	8.5	29.33	20.90	4000	8.5	28.15	19.53
2000	9	29.84	20.90	4000	9	28.62	19.51
2000	9.5	30.32	20.88	4000	9.5	29.10	19.49
2000	10	30.78	20.84	4000	10	29.57	19.47
2000	10.5	31.21	20.77	4000	10.5	30.05	19.45
2000	11	31.60	20.67	4000	11	30.52	19.43
2000	11.5	31.94	20.51	4000	11.5	30.97	19.38
2000	12	32.22	20.31	4000	12	31.39	19.32
2000	12.5	32.47	20.06	4000	12.5	31.78	19.22
2000	13	32.67	19.77	4000	13	32.12	19.08
2000	13.5	32.83	19.44	4000	13.5	32.41	18.90
2000	14	32.94	19.06	4000	14	32.64	18.66
2000	14.5	33.01	18.64	4000	14.5	32.82	18.37
2000	15	33.05	18.19	4000	15	32.95	18.03
2000	15.5	33.08	17.72	4000	15.5	33.03	17.63
2000	16	33.08	17.23	4000	16	33.09	17.19
2000	16.5	33.07	16.72	4000	16.5	33.11	16.73
2000	17	33.05	16.20	4000	17	33.12	16.24
2000	17.5	33.02	15.67	4000	17.5	33.11	15.73
2000	18	32.97	15.14	4000	18	33.08	15.20

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: $V_{DD} = +12\text{ V}$, $V_{Iadj} = \text{Open}$ @ Temperature = $+25^\circ\text{C}$

P_{IN}	P_{OUT} (@10 MHz)	P_{OUT} (@100 MHz)	P_{OUT} (@500 MHz)	P_{OUT} (@2000 MHz)	P_{OUT} (@4000 MHz)	I_{DD} (@10 MHz)	I_{DD} (@100 MHz)	I_{DD} (@500 MHz)	I_{DD} (@2000 MHz)	I_{DD} (@4000 MHz)
(dBm)	(dBm)	(dBm)	(dBm)	(dBm)	(dBm)	(mA)	(mA)	(mA)	(mA)	(mA)
0	26.84	21.63	21.67	20.80	20.07	259.69	199.23	192.48	195.83	194.74
0.5	27.40	22.16	22.21	21.31	20.56	267.77	201.98	193.60	197.71	196.34
1	27.96	22.71	22.74	21.81	21.06	276.32	205.44	194.78	199.70	198.13
1.5	28.50	23.26	23.27	22.31	21.55	285.54	209.80	195.99	201.87	200.10
2	29.03	23.80	23.80	22.81	22.04	295.03	214.98	197.35	204.25	202.33
2.5	29.61	24.35	24.33	23.30	22.52	304.45	220.72	199.02	206.89	204.83
3	30.00	24.89	24.85	23.79	23.00	311.53	227.10	201.32	209.93	207.65
3.5	30.32	25.43	25.38	24.27	23.48	315.94	233.94	204.63	213.50	210.87
4	30.60	25.98	25.91	24.76	23.96	316.74	241.18	209.06	217.88	214.52
4.5	30.85	26.52	26.44	25.26	24.43	312.43	248.88	214.59	223.33	218.56
5	31.08	27.06	26.94	25.76	24.90	305.18	257.17	220.90	230.11	223.05
5.5	31.31	27.59	27.48	26.28	25.36	295.60	266.14	228.41	238.11	228.03
6	31.51	28.11	28.01	26.80	25.82	284.56	275.98	236.83	247.29	233.50
6.5	31.69	28.62	28.53	27.31	26.28	273.45	286.28	246.31	257.43	239.65
7	31.83	29.12	29.03	27.82	26.75	263.23	296.51	257.14	268.62	246.76
7.5	31.94	29.61	29.52	28.33	27.22	253.82	306.65	268.89	280.88	255.07
8	32.02	30.08	30.00	28.84	27.68	245.41	315.74	281.26	294.26	264.61
8.5	32.09	30.45	30.45	29.33	28.15	238.39	321.78	293.35	308.65	275.50
9	32.13	30.79	30.86	29.84	28.62	232.66	322.76	303.43	323.91	287.26
9.5	32.16	31.09	31.22	30.32	29.10	227.74	312.56	310.28	339.39	299.91
10	32.17	31.36	31.53	30.78	29.57	223.33	297.77	312.00	355.15	313.60
10.5	32.17	31.58	31.77	31.21	30.05	219.36	282.80	305.15	370.61	328.28
11	32.17	31.75	31.92	31.60	30.52	215.80	270.32	295.59	385.34	343.94
11.5	32.17	31.86	32.02	31.94	30.97	212.50	258.57	286.06	398.73	360.39
12	32.16	31.93	32.09	32.22	31.39	209.55	248.28	278.36	410.76	377.84
12.5	32.15	31.96	32.13	32.47	31.78	206.75	241.63	272.64	421.22	396.20
13	32.13	31.97	32.15	32.67	32.12	204.23	236.06	267.84	429.61	415.44
13.5	32.12	31.97	32.16	32.83	32.41	201.96	231.09	263.50	434.61	434.83
14	32.10	31.96	32.16	32.94	32.64	199.83	226.81	259.63	435.34	453.46
14.5	32.09	31.95	32.15	33.01	32.82	197.95	222.94	255.91	432.57	470.72
15	32.07	31.94	32.14	33.05	32.95	196.18	219.57	252.86	427.66	485.26
15.5	32.05	31.92	32.13	33.08	33.03	194.55	216.43	249.76	421.58	495.80
16	32.03	31.90	32.11	33.08	33.09	193.19	213.68	246.87	414.93	501.73
16.5	32.01	31.88	32.09	33.07	33.11	191.83	211.26	244.25	407.96	502.69
17	31.98	31.86	32.06	33.05	33.12	190.64	209.05	241.81	400.85	499.49
17.5	31.96	31.84	32.04	33.02	33.11	189.39	207.10	239.53	393.71	493.54
18	31.93	31.81	32.01	32.97	33.08	188.09	205.20	237.33	386.63	485.95

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: $V_{DD} = +12\text{ V}$, $V_{\text{adj}} = \text{Open}$ @ Temperature = +25°C

FREQ	I_{DD} @P1dB	I_{DD} @P3dB	I_{DD} @P _{SAT}	PAE @P1dB	PAE @P3dB	PAE @P _{SAT}
(MHz)	(mA)	(mA)	(mA)	(%)	(%)	(%)
10	284.45	246.40	223.12	23.74	26.62	51.71
50	258.86	229.73	215.88	36.96	31.93	32.19
100	262.58	233.16	219.88	41.57	36.86	37.59
150	265.52	238.97	226.10	38.90	34.76	34.96
200	268.25	242.57	229.13	37.66	33.94	34.22
300	268.39	248.18	235.36	34.25	29.74	30.30
400	273.57	262.89	251.46	44.81	39.26	39.95
500	290.43	273.89	259.79	36.56	32.11	32.27
600	303.26	283.47	268.55	33.68	29.41	29.82
700	321.54	297.58	282.42	33.76	29.61	29.61
800	329.30	305.52	287.44	32.58	28.17	28.85
900	338.24	319.06	302.82	32.92	28.24	28.86
1000	347.37	329.32	313.06	31.78	27.28	28.14
1200	364.83	353.67	334.61	34.32	29.02	30.06
1400	376.73	370.62	352.48	32.12	26.78	27.74
1600	384.91	397.23	378.88	31.53	25.85	26.64
1800	401.90	419.02	399.22	28.22	22.99	23.62
2000	402.75	439.05	416.70	29.40	23.22	23.82
2200	422.82	461.02	437.95	28.66	22.31	22.68
2400	437.64	477.93	453.32	28.02	21.48	21.92
2600	442.13	486.57	462.62	27.06	20.90	21.01
2800	452.32	489.51	465.63	28.76	22.59	22.31
3000	450.53	492.34	471.50	30.70	23.56	23.29
3200	449.36	504.60	483.10	27.37	21.12	20.99
3400	434.39	499.69	473.22	28.19	21.87	21.81
3600	428.74	492.67	464.99	27.38	20.76	20.80
3800	424.46	508.09	483.93	28.13	20.48	20.80
4000	411.97	507.53	490.02	28.98	21.31	21.78
4200	395.59	498.06	488.43	29.08	21.16	21.60
4400	364.58	497.27	504.45	27.98	20.47	20.38
4600	349.13	476.12	504.71	25.06	19.17	18.47
4800	338.01	434.18	488.80	24.77	20.09	18.61
5000	331.89	415.45	463.64	23.11	19.52	18.42
5200	329.92	408.80	449.98	22.38	19.32	18.47
5400	332.30	425.45	458.62	26.12	22.21	21.63
5600	344.16	436.15	464.61	20.81	17.65	16.96
5800	325.89	419.81	454.26	23.27	19.88	19.62
6000	297.16	403.46	440.66	19.69	17.73	17.18
6200	275.97	395.99	428.18	17.02	17.14	16.81
6400	259.80	392.22	428.05	13.15	13.98	14.51
6600	245.65	383.30	440.31	10.30	12.48	12.52
6800	243.90	360.07	455.75	8.87	10.84	11.50
7000	233.69	308.80	470.98	5.80	7.81	8.62
7200	228.09	312.87	491.66	4.08	6.14	7.10
7400	220.97	334.86	497.68	3.20	5.17	5.74
7600	204.21	320.67	500.27	1.98	4.63	4.83
7800	206.94	316.96	503.59	1.60	3.94	4.64
8000	199.10	299.90	490.87	0.91	2.66	3.04

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: $V_{DD} = +12\text{ V}$, $V_{Iadj} = \text{Open}$ @ Temperature = +25°C

P_{IN}	P_{DISS} (@10 MHz)	P_{DISS} (@100 MHz)	P_{DISS} (@500 MHz)	P_{DISS} (@2000 MHz)	P_{DISS} (@4000 MHz)	PAE (@10 MHz)	PAE (@100 MHz)	PAE (@500 MHz)	PAE (@2000 MHz)	PAE (@4000 MHz)
(dBm)	(W)	(W)	(W)	(W)	(W)	(%)	(%)	(%)	(%)	(%)
0	2.88	2.36	2.18	2.23	2.23	16.27	6.37	6.47	5.07	4.25
0.5	2.92	2.40	2.17	2.23	2.24	17.93	7.11	7.26	5.64	4.73
1	2.95	2.45	2.17	2.24	2.24	19.74	7.91	8.17	6.26	5.24
1.5	2.95	2.50	2.16	2.25	2.25	21.65	8.77	9.17	6.93	5.80
2	2.90	2.56	2.15	2.26	2.26	23.63	9.70	10.27	7.66	6.41
2.5	2.85	2.61	2.15	2.26	2.27	26.25	10.70	11.50	8.45	7.09
3	2.78	2.67	2.15	2.28	2.28	28.04	11.78	12.81	9.29	7.82
3.5	2.69	2.72	2.17	2.29	2.30	29.80	12.95	14.22	10.19	8.61
4	2.55	2.78	2.19	2.31	2.32	31.73	14.25	15.69	11.17	9.45
4.5	2.38	2.85	2.21	2.34	2.33	33.83	15.64	17.24	12.20	10.34
5	2.18	2.92	2.25	2.38	2.36	36.19	17.12	18.74	13.32	11.30
5.5	1.97	2.98	2.28	2.42	2.38	38.90	18.70	20.53	14.52	12.31
6	1.77	3.02	2.33	2.48	2.40	41.91	20.33	22.34	15.80	13.39
6.5	1.59	3.02	2.38	2.54	2.43	44.90	22.03	24.13	17.14	14.53
7	1.44	2.98	2.43	2.60	2.47	47.73	23.87	25.86	18.54	15.72
7.5	1.31	2.87	2.48	2.67	2.51	50.39	25.83	27.71	20.00	16.96
8	1.21	2.71	2.51	2.74	2.56	52.92	27.99	29.54	21.53	18.23
8.5	1.13	2.47	2.51	2.82	2.62	55.20	30.05	31.45	23.10	19.55
9	1.06	2.21	2.48	2.89	2.69	57.06	32.32	33.43	24.70	20.90
9.5	1.00	1.96	2.40	2.97	2.76	58.66	35.00	35.57	26.46	22.33
10	0.96	1.74	2.27	3.04	2.83	59.99	38.15	38.00	28.12	23.82
10.5	0.91	1.56	2.10	3.11	2.90	61.17	41.54	40.74	29.71	25.37
11	0.87	1.44	1.94	3.16	2.97	62.21	44.74	43.49	31.20	27.02
11.5	0.84	1.34	1.79	3.21	3.05	63.20	47.72	45.99	32.53	28.58
12	0.81	1.28	1.68	3.25	3.13	64.07	50.21	47.95	33.67	30.03
12.5	0.79	1.23	1.60	3.29	3.22	64.87	52.03	49.37	34.62	31.30
13	0.77	1.18	1.54	3.31	3.33	65.43	53.60	50.55	35.46	32.28
13.5	0.75	1.15	1.49	3.32	3.46	66.00	54.99	51.48	36.33	32.92
14	0.74	1.12	1.45	3.28	3.60	66.42	56.09	52.18	37.18	33.25
14.5	0.73	1.09	1.42	3.22	3.74	66.74	57.01	52.76	37.99	33.36
15	0.72	1.07	1.39	3.14	3.86	66.97	57.76	53.22	38.75	33.31
15.5	0.71	1.05	1.37	3.06	3.97	67.11	58.37	53.55	39.44	33.21
16	0.72	1.04	1.35	2.99	4.02	67.09	58.83	53.79	40.03	33.15
16.5	0.73	1.04	1.33	2.91	4.03	66.99	59.09	53.91	40.53	33.21
17	0.74	1.03	1.33	2.83	3.99	66.80	59.18	53.95	40.93	33.38
17.5	0.76	1.02	1.32	2.76	3.93	66.55	59.16	53.90	41.21	33.61
18	0.77	1.04	1.32	2.70	3.86	66.26	59.05	53.77	41.36	33.77