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°C

Note: 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	-26.37	53.92	0.11	0.04	1.55	0.02	-33.84	-13.08	-28.77	31.02	210.21	0.00	300	35.92	40.00
50	2.80	49.21	0.39	0.45	1.79	0.18	21.48	22.02	22.12	12.02	427.86	0.61	400	36.83	43.00
100	14.26	37.05	1.86	2.08	1.40	0.55	27.98	28.32	28.42	7.64	481.25	10.53	500	37.38	44.00
150	18.21	32.90	5.49	6.21	1.47	0.98	28.65	28.94	28.89	9.77	436.32	13.79	600	37.48	45.00
200	20.66	30.44	11.39	8.16	1.28	0.87	30.48	30.71	30.59	4.80	394.06	23.74	700	37.41	46.00
250	21.19	29.89	13.08	8.56	1.26	0.80	30.41	30.60	30.56	4.13	346.25	26.52	800	37.33	47.00
300	21.30	29.75	11.43	7.76	1.25	0.72	30.32	30.53	30.52	3.83	317.25	27.81	900	37.37	48.00
400	21.30	29.70	9.34	6.68	1.24	0.63	30.84	30.99	30.96	3.48	284.88	35.47	1000	37.32	48.00
500	21.23	29.75	8.53	6.27	1.24	0.60	32.30	32.40	32.32	3.36	274.14	50.83	1500	37.38	47.00
600	21.22	29.75	8.29	6.20	1.24	0.60	31.49	31.57	31.49	3.18	273.79	42.57	2000	37.72	45.00
700	21.19	29.67	8.23	6.30	1.25	0.60	31.62	31.71	31.57	3.18	282.56	42.32	2500	37.73	44.00
800	21.15	29.75	8.46	6.59	1.27	0.62	31.96	31.99	31.83	3.12	295.18	44.03	3000	37.12	42.00
900	21.23	29.68	8.63	6.82	1.26	0.63	31.38	31.46	31.33	3.07	308.79	36.61	3500	37.48	42.00
1000	21.28	29.54	8.85	7.13	1.26	0.65	31.30	31.39	31.23	3.07	324.73	34.46	4000	36.94	41.00
1200	21.31	29.44	9.61	8.03	1.28	0.69	31.82	31.98	31.85	3.01	355.20	35.23	4500	37.06	42.00
1400	21.35	29.27	10.59	9.15	1.29	0.74	32.25	32.48	32.35	3.02	373.18	36.83	5000	38.35	47.00
1600	21.39	29.10	11.52	10.53	1.30	0.78	31.72	32.07	31.98	2.92	386.69	31.58	5500	36.53	52.00
1800	21.35	29.04	12.59	12.28	1.31	0.83	31.77	32.13	32.05	2.97	399.38	29.89	6000	35.77	54.00
2000	21.27	28.96	13.25	14.23	1.32	0.86	32.04	32.49	32.37	2.81	410.46	31.67	6500	38.10	64.00
2200	21.15	28.90	13.57	15.67	1.33	0.88	32.27	32.81	32.68	2.69	429.48	31.07	7000	38.31	77.00
2400	21.00	28.94	13.40	16.14	1.34	0.89	32.39	32.93	32.82	2.67	444.36	31.64	7500	35.92	70.00
2600	20.84	28.90	12.88	15.64	1.36	0.89	32.58	33.04	32.89	2.67	448.21	32.52	8000	32.44	55.00
2800	20.69	28.86	12.42	14.85	1.37	0.89	32.94	33.38	33.19	2.57	457.41	34.53	8500	30.52	46.00
3000	20.55	28.81	12.05	14.17	1.38	0.89	32.82	33.33	33.23	2.54	463.47	33.10			
3200	20.42	28.81	11.80	13.56	1.38	0.88	32.36	33.04	32.94	2.59	467.43	30.03			
3400	20.31	28.77	11.68	13.18	1.39	0.88	32.51	33.30	33.19	2.59	460.88	30.87			
3600	20.20	28.72	11.63	12.85	1.39	0.87	32.42	33.36	33.25	2.57	459.32	30.80			
3800	20.12	28.64	11.59	12.72	1.40	0.87	31.96	32.99	32.97	2.50	454.06	26.71			
4000	20.04	28.66	11.49	12.54	1.40	0.87	31.73	33.42	33.46	2.51	405.10	26.94			
4200	19.96	28.58	11.31	12.05	1.40	0.87	30.28	32.52	32.59	2.44	378.81	21.52			
4400	19.88	28.55	11.00	11.65	1.41	0.87	30.55	32.50	32.59	2.43	375.01	23.68			
4600	19.80	28.61	10.55	11.19	1.40	0.88	30.87	32.71	32.93	2.34	370.52	25.92			
4800	19.70	28.53	10.00	10.70	1.40	0.87	30.38	32.20	32.46	2.38	363.42	24.05			
5000	19.63	28.56	9.38	10.14	1.39	0.87	30.18	32.25	32.55	2.37	352.93	24.23			
5200	19.55	28.59	8.96	9.65	1.39	0.87	29.34	31.98	32.30	2.34	340.97	21.32			
5400	19.49	28.55	8.57	9.29	1.39	0.87	29.61	32.16	32.39	2.30	353.23	21.48			
5600	19.43	28.54	8.18	8.96	1.37	0.86	29.51	32.06	32.20	2.32	358.79	20.44			
5800	19.40	28.50	7.96	8.92	1.37	0.85	29.24	31.87	32.09	2.24	357.34	19.22			
6000	19.38	28.30	7.86	9.02	1.36	0.84	28.93	31.93	32.14	2.30	351.30	19.61			
6200	19.42	28.17	7.92	9.44	1.36	0.85	29.55	32.42	32.74	2.28	350.46	21.87			
6400	19.51	27.92	8.32	10.29	1.35	0.84	29.27	32.18	32.44	2.25	341.13	20.74			
6600	19.66	27.68	8.97	11.85	1.35	0.85	29.26	32.33	32.66	2.28	327.61	22.21			
6800	19.79	27.39	10.02	14.48	1.34	0.85	28.77	32.30	32.72	2.29	307.83	20.58			
7000	19.86	27.22	11.48	19.10	1.35	0.86	27.09	31.18	31.61	2.39	286.69	14.50			
7200	19.90	27.18	13.31	22.40	1.35	0.86	26.93	31.65	32.12	2.50	269.90	14.93			
7400	19.86	27.26	14.43	19.36	1.35	0.87	25.79	31.05	31.78	2.69	257.02	11.67			
7600	19.62	27.43	13.48	15.86	1.38	0.89	23.36	28.42	30.02	2.85	242.09	6.64			
7800	19.21	27.84	10.98	12.90	1.39	0.94	21.14	25.62	28.78	3.15	228.57	4.64			
8000	18.47	28.71	8.12	9.90	1.43	0.96	18.86	23.99	27.90	3.45	214.13	2.92			
8500	14.41	32.84	2.87	3.71	1.58	0.81	12.48	20.58	25.53	4.52	198.76	0.71			
9000	8.29	39.60	1.51	1.54	2.23	0.48	10.37	18.99	23.86	5.90	199.26	0.31			
9500	2.58	45.87	0.87	0.92	3.46	0.34	9.13	18.17	21.62	7.22	196.64	0.09			
10000	-2.48	50.88	0.77	0.76	6.70	0.29	6.86	14.75	14.93	8.30	199.44	-1.00			

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} = +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	-26.35	58.41	0.11	0.05	2.49	0.02	-44.45	-31.20	-31.87	31.52	170.41	-0.01	300	35.53	39.00
50	2.15	48.76	0.39	0.43	1.76	0.17	21.86	21.99	22.01	12.03	444.52	0.37	400	36.67	42.00
100	13.68	36.87	1.79	1.96	1.40	0.53	28.09	28.33	28.31	7.65	484.74	10.46	500	37.45	43.00
150	17.83	32.85	5.24	6.09	1.49	0.98	28.73	28.89	28.82	9.74	432.50	13.71	600	37.55	44.00
200	20.39	30.17	11.03	8.12	1.28	0.87	30.44	30.59	30.48	4.79	390.24	23.74	700	37.40	45.00
250	21.00	29.60	13.48	8.93	1.26	0.81	30.48	30.58	30.63	4.12	343.71	26.83	800	37.23	46.00
300	21.12	29.37	11.98	8.20	1.25	0.74	30.33	30.48	30.55	3.80	312.91	28.85	900	37.27	47.00
400	21.14	29.37	9.73	7.06	1.24	0.65	30.81	30.99	30.94	3.46	279.06	36.09	1000	37.22	47.00
500	21.08	29.37	8.85	6.61	1.23	0.61	32.26	32.35	32.24	3.32	267.81	52.49	1500	36.99	45.00
600	21.07	29.32	8.58	6.53	1.24	0.60	31.49	31.53	31.45	3.14	267.71	43.43	2000	37.14	43.00
700	21.04	29.34	8.52	6.64	1.24	0.61	31.63	31.69	31.53	3.12	276.09	43.95	2500	36.71	42.00
800	21.00	29.36	8.75	6.92	1.26	0.63	31.97	31.95	31.79	3.11	288.72	45.05	3000	36.07	40.00
900	21.07	29.23	8.93	7.18	1.26	0.64	31.42	31.43	31.28	3.12	303.08	37.69	3500	36.28	41.00
1000	21.12	29.17	9.18	7.47	1.26	0.66	31.30	31.38	31.21	3.05	318.65	34.88	4000	35.58	41.00
1200	21.16	29.06	9.97	8.38	1.27	0.70	31.85	31.96	31.82	3.04	351.47	35.92	4500	35.66	41.00
1400	21.19	28.93	10.91	9.71	1.29	0.75	32.28	32.44	32.31	3.01	371.77	37.39	5000	36.53	47.00
1600	21.20	28.78	12.06	11.40	1.30	0.79	31.77	32.05	31.96	2.90	387.67	31.74	5500	35.38	51.00
1800	21.13	28.70	13.00	13.28	1.31	0.83	31.82	32.10	32.02	2.88	401.26	30.58	6000	35.02	53.00
2000	21.04	28.64	13.53	15.03	1.32	0.86	32.14	32.51	32.41	2.79	414.12	31.37	6500	36.69	63.00
2200	20.89	28.64	13.70	15.89	1.34	0.88	32.31	32.73	32.60	2.68	434.27	31.75	7000	36.84	76.00
2400	20.74	28.53	13.24	15.74	1.34	0.89	32.50	32.97	32.82	2.87	451.89	31.16	7500	35.23	69.00
2600	20.57	28.61	12.63	14.99	1.35	0.89	32.69	33.00	32.81	2.67	455.07	32.36	8000	32.25	54.00
2800	20.41	28.66	12.11	14.08	1.36	0.89	33.09	33.37	33.17	2.58	465.26	34.53	8500	30.32	46.00
3000	20.25	28.57	11.71	13.36	1.37	0.89	32.93	33.31	33.18	2.54	474.12	33.24			
3200	20.12	28.54	11.45	12.76	1.38	0.88	32.52	33.00	32.90	2.58	479.77	29.97			
3400	19.99	28.47	11.32	12.43	1.39	0.87	32.66	33.29	33.16	2.57	474.79	31.31			
3600	19.88	28.43	11.27	12.16	1.39	0.87	32.61	33.34	33.21	2.51	478.56	30.70			
3800	19.79	28.46	11.23	12.05	1.39	0.86	32.22	32.99	32.92	2.45	478.89	27.56			
4000	19.71	28.36	11.13	11.90	1.40	0.86	32.42	33.46	33.43	2.45	453.23	29.66			
4200	19.64	28.41	10.98	11.49	1.40	0.86	30.88	32.54	32.62	2.45	410.11	23.29			
4400	19.58	28.36	10.64	11.07	1.40	0.86	30.90	32.56	32.58	2.40	396.20	25.13			
4600	19.52	28.39	10.18	10.61	1.40	0.87	31.24	32.78	32.91	2.35	393.66	27.77			
4800	19.43	28.36	9.66	10.13	1.40	0.87	30.91	32.26	32.45	2.30	385.50	26.26			
5000	19.34	28.33	9.12	9.66	1.39	0.86	31.04	32.34	32.55	2.36	385.66	26.78			
5200	19.23	28.42	8.72	9.20	1.39	0.86	30.51	32.05	32.29	2.34	387.10	23.67			
5400	19.12	28.43	8.35	8.84	1.38	0.85	30.78	32.25	32.40	2.27	391.01	24.62			
5600	19.03	28.40	7.97	8.59	1.37	0.85	30.26	32.04	32.18	2.28	390.51	22.23			
5800	18.97	28.31	7.75	8.51	1.37	0.84	29.93	31.90	31.99	2.27	386.10	20.83			
6000	18.92	28.15	7.64	8.63	1.36	0.83	29.91	31.98	32.12	2.29	378.70	21.19			
6200	18.97	27.99	7.73	9.00	1.35	0.83	30.42	32.65	32.71	2.24	375.19	24.09			
6400	19.07	27.77	8.11	9.83	1.35	0.84	29.95	32.29	32.48	2.22	364.49	22.20			
6600	19.23	27.56	8.75	11.26	1.34	0.85	29.91	32.39	32.59	2.30	352.22	22.78			
6800	19.42	27.26	9.76	13.73	1.34	0.85	29.28	32.36	32.65	2.26	320.75	21.79			
7000	19.57	27.06	11.19	17.52	1.35	0.86	27.40	31.30	31.64	2.33	296.18	15.16			
7200	19.65	26.97	12.78	20.80	1.36	0.86	27.14	31.66	32.17	2.45	274.17	14.72			
7400	19.61	27.00	13.88	18.61	1.35	0.87	25.95	31.09	31.73	2.66	254.51	11.97			
7600	19.38	27.30	13.06	15.57	1.38	0.90	23.32	29.02	30.12	2.77	237.03	6.69			
7800	18.94	27.78	10.55	12.46	1.40	0.94	21.15	25.80	28.92	3.10	224.17	4.48			
8000	18.15	28.51	7.70	9.36	1.42	0.95	17.65	24.23	28.06	3.40	206.91	2.28			
8500	13.81	33.12	2.69	3.45	1.58	0.78	12.02	21.53	25.92	4.48	184.24	0.66			
9000	7.61	39.75	1.47	1.46	2.33	0.47	9.72	19.97	24.00	5.84	181.27	0.32			
9500	1.87	46.35	0.85	0.89	3.51	0.33	8.55	19.32	21.69	7.23	183.75	0.05			
10000	-3.03	51.71	0.76	0.75	8.24	0.29	6.52	15.24	15.02	8.47	191.83	-0.60			

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_{Iadj} = +1 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	-26.68	53.86	0.10	0.04	1.55	0.02	-45.94	-35.46	-39.03	32.03	189.38	0.00	300	35.74	40.00
50	2.44	48.62	0.39	0.44	1.74	0.18	21.81	21.97	21.99	12.09	451.32	0.47	400	36.77	42.00
100	13.96	36.95	1.82	2.02	1.42	0.54	28.01	28.31	28.34	7.65	489.42	10.25	500	37.44	43.00
150	18.01	32.88	5.35	6.14	1.47	0.98	28.72	28.92	28.88	9.65	439.78	13.79	600	37.53	45.00
200	20.52	30.37	11.20	8.15	1.29	0.87	30.48	30.60	30.51	4.82	396.13	23.27	700	37.43	46.00
250	21.08	29.67	13.31	8.77	1.26	0.80	30.37	30.60	30.61	4.14	349.04	26.27	800	37.31	47.00
300	21.20	29.51	11.74	8.00	1.25	0.73	30.28	30.53	30.55	3.84	318.30	27.62	900	37.34	47.00
400	21.21	29.50	9.56	6.88	1.24	0.64	30.84	31.02	30.98	3.48	285.20	35.23	1000	37.32	48.00
500	21.15	29.53	8.71	6.46	1.24	0.61	32.28	32.38	32.26	3.33	275.32	50.86	1500	37.23	46.00
600	21.14	29.54	8.44	6.38	1.24	0.60	31.48	31.55	31.46	3.15	274.77	42.38	2000	37.48	44.00
700	21.10	29.52	8.38	6.49	1.25	0.61	31.66	31.68	31.56	3.15	283.41	42.67	2500	37.20	43.00
800	21.07	29.47	8.61	6.77	1.26	0.63	31.97	31.97	31.81	3.13	296.64	43.85	3000	36.54	41.00
900	21.14	29.37	8.79	7.02	1.26	0.64	31.41	31.41	31.32	3.10	310.28	36.85	3500	36.83	42.00
1000	21.19	29.23	9.03	7.34	1.26	0.65	31.29	31.37	31.22	3.02	326.67	33.72	4000	36.19	41.00
1200	21.22	29.22	9.80	8.20	1.27	0.70	31.83	31.97	31.84	2.98	359.34	34.90	4500	36.16	42.00
1400	21.26	29.05	10.78	9.41	1.29	0.75	32.27	32.47	32.32	3.08	379.22	36.46	5000	37.17	47.00
1600	21.29	28.98	11.85	11.02	1.30	0.79	31.77	32.04	31.94	2.94	394.47	30.87	5500	35.69	52.00
1800	21.23	28.81	12.83	12.86	1.31	0.83	31.84	32.14	32.03	2.91	407.33	30.08	6000	35.26	54.00
2000	21.15	28.81	13.41	14.77	1.32	0.86	32.19	32.50	32.37	2.77	419.46	31.31	6500	37.23	63.00
2200	21.01	28.76	13.67	15.88	1.33	0.88	32.39	32.78	32.62	2.67	438.82	30.75	7000	37.48	77.00
2400	20.86	28.69	13.31	15.95	1.34	0.89	32.47	32.94	32.85	2.74	455.73	30.54	7500	35.59	70.00
2600	20.70	28.69	12.73	15.32	1.35	0.89	32.68	33.00	32.79	2.68	458.14	32.19	8000	32.40	55.00
2800	20.54	28.69	12.26	14.45	1.36	0.89	33.13	33.37	33.19	2.57	468.36	33.86	8500	30.46	46.00
3000	20.38	28.69	11.87	13.74	1.37	0.89	32.95	33.31	33.19	2.56	475.94	32.90			
3200	20.23	28.67	11.60	13.14	1.38	0.88	32.53	33.01	32.91	2.60	482.04	29.67			
3400	20.10	28.71	11.48	12.75	1.39	0.88	32.70	33.29	33.17	2.58	480.66	30.96			
3600	20.01	28.63	11.44	12.47	1.40	0.87	32.75	33.35	33.21	2.55	480.74	31.05			
3800	19.94	28.49	11.39	12.36	1.40	0.87	32.27	32.99	32.92	2.49	483.77	27.06			
4000	19.88	28.44	11.30	12.17	1.40	0.87	32.43	33.47	33.49	2.47	459.65	28.78			
4200	19.80	28.48	11.12	11.75	1.40	0.86	30.97	32.56	32.62	2.45	416.57	23.30			
4400	19.71	28.47	10.80	11.32	1.41	0.87	31.00	32.55	32.60	2.44	405.30	24.50			
4600	19.64	28.45	10.33	10.85	1.40	0.87	31.37	32.76	32.94	2.36	402.53	27.22			
4800	19.56	28.46	9.81	10.37	1.40	0.87	30.95	32.31	32.44	2.44	394.83	25.05			
5000	19.49	28.48	9.24	9.85	1.39	0.87	31.01	32.35	32.56	2.38	390.13	26.47			
5200	19.41	28.44	8.83	9.39	1.39	0.86	30.56	32.07	32.30	2.35	389.96	23.86			
5400	19.31	28.42	8.44	9.05	1.38	0.86	30.62	32.22	32.37	2.31	396.57	23.83			
5600	19.22	28.46	8.04	8.75	1.38	0.85	30.34	32.06	32.16	2.29	394.67	22.25			
5800	19.16	28.40	7.83	8.68	1.37	0.85	30.02	31.92	32.02	2.30	389.16	21.11			
6000	19.11	28.26	7.74	8.79	1.36	0.84	29.82	31.94	32.11	2.28	382.58	20.51			
6200	19.15	28.08	7.81	9.18	1.35	0.84	30.40	32.51	32.67	2.28	377.29	23.85			
6400	19.25	27.87	8.19	10.03	1.35	0.84	30.09	32.25	32.46	2.28	371.41	22.51			
6600	19.41	27.65	8.85	11.47	1.34	0.85	29.93	32.41	32.61	2.27	357.46	22.50			
6800	19.59	27.36	9.88	14.05	1.34	0.86	29.38	32.38	32.71	2.29	333.45	21.34			
7000	19.73	27.14	11.31	18.21	1.35	0.86	27.62	31.32	31.63	2.36	307.47	15.06			
7200	19.77	27.07	13.02	21.65	1.35	0.86	27.30	31.82	32.15	2.47	289.36	15.05			
7400	19.72	27.11	14.11	19.06	1.36	0.87	26.17	31.13	31.78	2.65	272.92	11.77			
7600	19.49	27.36	13.24	15.72	1.38	0.90	23.83	28.96	29.99	2.82	255.37	6.54			
7800	19.07	27.79	10.72	12.68	1.39	0.94	21.33	25.99	28.91	3.14	243.03	4.55			
8000	18.30	28.63	7.88	9.61	1.43	0.95	18.97	24.29	28.10	3.45	226.59	2.83			
8500	14.10	33.18	2.77	3.55	1.59	0.79	12.20	21.60	25.90	4.53	197.11	0.73			
9000	7.91	39.87	1.49	1.49	2.32	0.47	10.36	20.15	23.93	5.92	195.55	0.32			
9500	2.16	45.80	0.85	0.89	3.48	0.33	9.04	19.59	21.79	7.22	196.61	0.07			
10000	-2.81	50.49	0.75	0.75	6.91	0.29	5.88	15.34	15.24	8.48	196.66	-0.89			

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} = +1.5 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	-26.28	52.53	0.11	0.03	1.52	0.01	-41.66	-31.71	-35.47	31.56	215.11	0.00	300	36.11	42.00
50	2.94	49.44	0.39	0.45	1.80	0.18	21.58	22.17	22.15	11.96	440.10	0.67	400	36.87	44.00
100	14.40	37.12	1.88	2.12	1.42	0.56	27.88	28.24	28.26	7.64	493.81	9.87	500	37.37	45.00
150	18.32	32.95	5.54	6.25	1.47	0.98	28.60	28.88	28.81	9.46	447.44	13.20	600	37.48	46.00
200	20.74	30.55	11.47	8.15	1.29	0.87	30.47	30.61	30.51	4.85	403.47	22.81	700	37.44	47.00
250	21.25	30.01	12.96	8.46	1.26	0.79	30.41	30.66	30.61	4.19	356.63	25.40	800	37.44	48.00
300	21.34	29.87	11.30	7.64	1.25	0.72	30.36	30.61	30.48	3.88	325.92	27.50	900	37.49	49.00
400	21.34	29.82	9.24	6.58	1.24	0.63	30.79	31.02	30.98	3.51	294.92	33.61	1000	37.45	50.00
500	21.27	29.87	8.45	6.18	1.24	0.60	32.30	32.42	32.36	3.38	283.86	49.69	1500	37.64	49.00
600	21.26	29.87	8.22	6.11	1.24	0.59	31.50	31.59	31.50	3.18	284.29	40.98	2000	38.12	47.00
700	21.23	29.85	8.17	6.22	1.25	0.60	31.68	31.74	31.60	3.22	293.35	41.44	2500	38.37	45.00
800	21.19	29.78	8.39	6.49	1.27	0.62	31.98	32.01	31.84	3.16	307.35	42.38	3000	37.91	43.00
900	21.27	29.77	8.54	6.72	1.27	0.63	31.39	31.50	31.31	3.10	321.73	34.89	3500	38.39	44.00
1000	21.32	29.64	8.77	7.04	1.26	0.64	31.29	31.40	31.25	3.04	337.31	32.97	4000	38.11	42.00
1200	21.35	29.50	9.51	7.93	1.27	0.69	31.81	31.99	31.87	3.06	369.75	33.84	4500	38.04	43.00
1400	21.40	29.35	10.47	9.01	1.29	0.74	32.26	32.50	32.36	3.09	389.31	35.44	5000	39.32	48.00
1600	21.43	29.24	11.43	10.40	1.30	0.78	31.74	32.09	31.96	3.02	403.87	30.19	5500	37.08	53.00
1800	21.41	29.13	12.48	12.14	1.31	0.82	31.77	32.16	32.05	2.87	415.58	29.07	6000	36.47	55.00
2000	21.34	29.05	13.19	14.09	1.32	0.86	32.07	32.52	32.34	2.84	426.35	30.45	6500	39.02	64.60
2200	21.21	28.90	13.53	15.65	1.33	0.88	32.30	32.81	32.61	2.70	444.71	30.81	7000	39.32	78.12
2400	21.07	28.97	13.42	16.15	1.35	0.89	32.46	32.93	32.80	2.75	460.13	30.81	7500	36.84	71.01
2600	20.91	28.92	12.96	15.85	1.35	0.89	32.64	33.05	32.86	2.69	464.70	31.31	8000	32.77	56.00
2800	20.76	28.92	12.51	15.09	1.37	0.89	33.04	33.38	33.22	2.62	473.20	33.54	8500	30.75	47.00
3000	20.63	28.90	12.15	14.39	1.38	0.89	32.88	33.32	33.21	2.67	480.81	32.37			
3200	20.51	28.83	11.91	13.78	1.38	0.88	32.45	33.01	32.92	2.62	487.61	29.15			
3400	20.40	28.79	11.79	13.40	1.39	0.88	32.58	33.30	33.21	2.67	484.87	30.49			
3600	20.30	28.80	11.74	13.09	1.39	0.87	32.58	33.31	33.22	2.56	485.43	30.11			
3800	20.22	28.77	11.70	12.95	1.40	0.87	32.19	33.00	32.95	2.53	489.52	26.95			
4000	20.14	28.71	11.59	12.67	1.40	0.87	32.34	33.40	33.45	2.52	469.57	28.57			
4200	20.05	28.64	11.39	12.20	1.41	0.87	31.04	32.56	32.64	2.42	434.90	23.03			
4400	19.97	28.62	11.08	11.84	1.40	0.87	31.00	32.55	32.62	2.47	417.99	24.45			
4600	19.89	28.65	10.63	11.37	1.40	0.88	31.36	32.78	32.94	2.39	414.32	26.62			
4800	19.79	28.55	10.09	10.84	1.39	0.88	30.91	32.28	32.46	2.41	404.50	25.03			
5000	19.71	28.63	9.46	10.28	1.40	0.88	31.07	32.35	32.56	2.40	403.79	26.30			
5200	19.63	28.62	9.03	9.79	1.39	0.87	30.68	32.06	32.33	2.38	401.70	23.84			
5400	19.56	28.60	8.64	9.37	1.38	0.87	30.65	32.22	32.40	2.32	407.77	23.36			
5600	19.50	28.52	8.24	9.08	1.37	0.86	30.24	32.04	32.16	2.32	406.59	21.31			
5800	19.48	28.52	8.01	8.99	1.36	0.86	30.07	31.88	31.97	2.30	404.70	21.25			
6000	19.45	28.38	7.91	9.09	1.36	0.85	29.97	31.90	32.12	2.32	398.62	20.62			
6200	19.48	28.20	7.98	9.50	1.35	0.85	30.39	32.47	32.72	2.30	394.61	23.37			
6400	19.57	28.01	8.37	10.43	1.35	0.85	30.07	32.22	32.43	2.29	384.29	22.28			
6600	19.72	27.73	9.04	11.93	1.35	0.85	30.08	32.39	32.64	2.28	373.27	22.88			
6800	19.85	27.47	10.09	14.59	1.35	0.86	29.64	32.34	32.66	2.33	354.30	21.33			
7000	19.91	27.31	11.55	19.51	1.35	0.86	27.90	31.31	31.65	2.42	331.72	15.12			
7200	19.98	27.25	13.48	22.90	1.35	0.86	27.75	31.74	32.14	2.52	314.53	15.24			
7400	19.93	27.26	14.54	19.55	1.36	0.87	26.76	31.18	31.76	2.69	297.84	12.22			
7600	19.70	27.56	13.52	15.95	1.38	0.89	24.37	29.12	29.97	2.85	283.74	6.91			
7800	19.29	28.05	11.07	13.03	1.41	0.94	22.74	26.40	28.96	3.20	270.50	5.14			
8000	18.57	28.70	8.22	10.06	1.42	0.96	20.55	24.56	27.99	3.48	255.07	3.50			
8500	14.54	33.15	2.92	3.77	1.59	0.82	14.42	21.79	25.86	4.60	229.95	0.93			
9000	8.44	39.62	1.53	1.55	2.20	0.49	11.89	20.37	23.98	5.97	228.88	0.41			
9500	2.69	46.01	0.86	0.91	3.49	0.34	10.24	19.49	21.85	7.31	226.04	0.11			
10000	-2.37	50.57	0.75	0.76	6.22	0.29	7.87	15.76	15.57	8.57	216.45	-0.88			

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} = +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	-26.00	53.30	0.11	0.04	1.71	0.02	-21.32	-37.97	-40.07	31.72	230.76	-2.89	300	36.22	42.00
50	3.13	49.15	0.39	0.46	1.77	0.18	21.49	22.14	22.15	11.97	469.38	0.73	400	36.90	44.00
100	14.59	37.08	1.91	2.16	1.41	0.57	27.74	28.21	28.25	7.65	497.76	9.92	500	37.37	46.00
150	18.45	33.14	5.62	6.28	1.48	0.98	28.60	28.88	28.87	9.40	452.41	13.32	600	37.49	47.00
200	20.84	30.60	11.58	8.15	1.29	0.86	30.45	30.68	30.54	4.87	408.16	22.52	700	37.50	48.00
250	21.32	30.09	12.79	8.31	1.26	0.79	30.48	30.64	30.60	4.21	361.35	26.01	800	37.52	49.00
300	21.41	30.04	11.12	7.49	1.25	0.72	30.33	30.59	30.54	3.90	331.37	28.18	900	37.58	50.00
400	21.39	29.97	9.11	6.44	1.24	0.63	30.79	31.10	31.02	3.54	299.67	33.02	1000	37.55	51.00
500	21.32	29.98	8.34	6.06	1.24	0.60	32.38	32.51	32.36	3.38	289.70	49.43	1500	37.84	50.00
600	21.31	30.01	8.12	6.00	1.25	0.59	31.52	31.62	31.52	3.21	290.11	40.45	2000	38.41	48.00
700	21.28	30.01	8.06	6.11	1.25	0.60	31.64	31.74	31.63	3.22	298.77	40.33	2500	38.94	46.00
800	21.25	29.91	8.28	6.37	1.27	0.62	31.98	32.02	31.86	3.18	313.14	41.62	3000	38.74	44.00
900	21.33	29.89	8.44	6.60	1.26	0.62	31.39	31.47	31.34	3.23	329.13	34.10	3500	39.36	44.00
1000	21.38	29.78	8.67	6.90	1.26	0.64	31.28	31.42	31.26	3.08	344.70	32.24	4000	39.34	42.00
1200	21.41	29.66	9.38	7.81	1.28	0.69	31.82	32.00	31.88	3.09	376.35	33.24	4500	39.35	43.00
1400	21.45	29.47	10.33	8.90	1.29	0.73	32.26	32.52	32.38	3.11	396.12	34.84	5000	41.02	49.00
1600	21.49	29.33	11.31	10.24	1.30	0.78	31.73	32.07	32.01	3.00	410.60	29.35	5500	38.20	54.00
1800	21.47	29.21	12.34	11.83	1.31	0.82	31.76	32.15	32.07	2.96	422.04	28.91	6000	37.47	56.00
2000	21.40	29.17	13.06	13.80	1.33	0.85	32.04	32.55	32.44	2.85	432.45	30.55	6500	40.14	65.01
2200	21.29	29.08	13.46	15.51	1.33	0.88	32.28	32.80	32.69	2.71	449.27	29.85	7000	40.46	79.00
2400	21.15	29.03	13.47	16.11	1.34	0.89	32.45	32.97	32.89	2.86	464.90	30.35	7500	37.77	72.00
2600	21.02	29.07	13.04	16.03	1.36	0.90	32.59	33.07	32.89	2.73	469.36	30.68	8000	33.04	56.00
2800	20.89	29.04	12.62	15.35	1.37	0.90	33.03	33.43	33.28	2.58	478.04	33.48	8500	30.85	48.00
3000	20.75	28.91	12.27	14.67	1.37	0.89	32.85	33.32	33.22	2.67	484.75	32.01			
3200	20.62	28.95	12.03	14.09	1.38	0.89	32.41	33.01	32.94	2.64	491.89	28.84			
3400	20.51	28.90	11.91	13.69	1.39	0.88	32.63	33.29	33.20	2.62	488.83	30.07			
3600	20.41	28.85	11.89	13.35	1.39	0.87	32.53	33.26	33.23	2.63	491.33	29.64			
3800	20.33	28.79	11.83	13.20	1.40	0.88	32.13	32.97	32.97	2.54	493.23	26.16			
4000	20.25	28.83	11.72	12.92	1.41	0.88	32.41	33.37	33.47	2.57	479.31	28.26			
4200	20.17	28.66	11.53	12.46	1.40	0.87	31.10	32.57	32.64	2.50	444.92	22.79			
4400	20.09	28.69	11.21	12.08	1.40	0.88	31.08	32.56	32.63	2.49	430.53	24.20			
4600	20.01	28.71	10.76	11.59	1.40	0.88	31.42	32.79	32.96	2.45	423.11	26.63			
4800	19.90	28.70	10.21	11.07	1.39	0.88	31.02	32.27	32.49	2.43	414.58	25.06			
5000	19.80	28.68	9.58	10.49	1.39	0.88	31.12	32.36	32.58	2.42	412.01	25.95			
5200	19.72	28.70	9.14	10.00	1.38	0.88	30.75	32.08	32.33	2.39	411.75	23.68			
5400	19.66	28.64	8.73	9.54	1.38	0.87	30.67	32.24	32.39	2.38	415.26	23.01			
5600	19.60	28.63	8.32	9.23	1.37	0.87	30.41	31.99	32.16	2.37	416.03	21.64			
5800	19.57	28.55	8.09	9.13	1.37	0.86	30.15	31.84	31.99	2.33	414.65	21.00			
6000	19.55	28.41	7.99	9.25	1.36	0.85	30.02	31.90	32.12	2.34	407.26	20.87			
6200	19.61	28.23	8.06	9.65	1.35	0.85	30.47	32.49	32.72	2.32	401.91	24.10			
6400	19.70	28.08	8.45	10.63	1.35	0.85	30.15	32.20	32.48	2.33	399.12	21.98			
6600	19.82	27.79	9.11	12.21	1.35	0.85	30.19	32.40	32.65	2.34	383.95	23.36			
6800	19.93	27.56	10.18	14.90	1.35	0.86	29.77	32.36	32.67	2.33	367.69	21.58			
7000	20.01	27.32	11.69	20.14	1.34	0.86	28.15	31.31	31.64	2.39	344.98	15.48			
7200	20.07	27.28	13.67	23.76	1.35	0.86	28.15	31.77	32.13	2.56	331.12	15.52			
7400	20.02	27.31	14.75	19.71	1.36	0.87	27.17	31.14	31.80	2.72	317.39	12.33			
7600	19.79	27.58	13.59	15.97	1.38	0.89	24.88	29.18	30.09	2.90	301.09	7.04			
7800	19.38	27.99	11.21	13.09	1.39	0.94	23.23	27.12	28.95	3.22	285.48	5.47			
8000	18.68	28.85	8.37	10.26	1.43	0.97	21.56	25.06	28.09	3.54	273.83	3.74			
8500	14.74	33.02	2.99	3.87	1.57	0.83	15.64	22.12	25.84	4.61	248.45	1.24			
9000	8.65	39.46	1.55	1.58	2.23	0.49	13.07	20.51	23.95	6.04	249.40	0.50			
9500	2.87	45.86	0.86	0.92	3.41	0.34	11.43	20.12	21.91	7.35	236.21	0.14			
10000	-2.17	51.35	0.74	0.76	7.15	0.29	9.50	15.91	15.75	8.51	240.01	-1.29			

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°C

Note: Nominal conditions when V_{DD} is varied and V_{Iadj} 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	-25.94	53.41	0.05	0.06	1.13	0.03	-10.42	-38.12	-11.13	33.41	-18.12	-19.86	300	39.16	40.42
50	2.77	49.27	0.41	0.44	1.81	0.18	20.86	21.51	21.44	12.13	-11.02	-20.78	400	37.70	42.58
100	14.30	36.74	1.87	2.08	1.38	0.55	27.61	28.18	28.29	7.43	-14.33	-33.81	500	37.39	43.74
150	18.32	32.97	5.54	6.36	1.48	0.99	28.94	29.20	29.15	6.73	-19.14	-50.77	600	37.33	44.95
200	20.68	30.44	11.38	8.27	1.29	0.87	29.88	30.15	30.16	4.86	-23.47	-46.80	700	37.30	45.93
250	21.20	29.77	13.07	8.54	1.25	0.79	30.25	30.45	30.38	4.13	-26.11	-45.21	800	37.25	46.97
300	21.31	29.83	11.46	7.74	1.26	0.72	30.70	30.86	30.77	3.85	-29.22	-45.32	900	37.32	47.80
400	21.30	29.76	9.35	6.67	1.24	0.64	30.64	30.79	30.77	3.53	-31.64	-49.16	1000	37.30	48.27
500	21.24	29.88	8.55	6.25	1.25	0.61	30.90	31.03	30.95	3.33	-33.36	-48.06	1500	37.34	46.99
600	21.22	29.76	8.28	6.17	1.24	0.60	31.34	31.46	31.36	3.25	-33.95	-48.92	2000	37.72	44.72
700	21.19	29.75	8.23	6.28	1.25	0.60	31.23	31.32	31.22	3.22	-34.99	-47.37	2500	37.72	43.58
800	21.15	29.76	8.42	6.56	1.27	0.63	31.42	31.48	31.32	3.14	-35.58	-47.58	3000	37.08	41.95
900	21.23	29.73	8.58	6.78	1.27	0.64	31.24	31.36	31.25	3.16	-36.02	-47.77	3500	37.48	42.16
1000	21.27	29.59	8.80	7.09	1.27	0.65	31.86	31.95	31.80	3.06	-36.28	-46.93	4000	36.95	41.17
1200	21.31	29.42	9.51	7.98	1.28	0.69	31.88	32.09	31.96	3.03	-35.91	-45.20	4500	37.81	41.83
1400	21.33	29.26	10.48	9.21	1.29	0.74	32.09	32.32	32.21	2.97	-36.09	-44.90	5000	38.97	47.44
1600	21.34	29.15	11.52	10.68	1.30	0.79	31.96	32.36	32.27	2.93	-35.00	-45.13	5500	37.03	52.49
1800	21.29	29.12	12.50	12.40	1.32	0.83	31.90	32.30	32.23	2.88	-33.64	-44.58	6000	36.34	54.43
2000	21.22	28.99	13.21	14.18	1.33	0.86	32.20	32.77	32.68	2.79	-33.21	-44.05	6500	38.53	63.72
2200	21.10	28.91	13.41	15.55	1.34	0.88	32.01	32.61	32.49	2.79	-31.33	-43.18	7000	38.84	77.08
2400	20.96	28.83	13.16	15.99	1.34	0.89	32.29	32.85	32.73	2.69	-30.60	-42.80	7500	36.99	69.97
2600	20.80	28.93	12.72	15.55	1.37	0.90	32.42	32.97	32.81	2.66	-30.19	-43.46	8000	33.61	54.66
2800	20.65	28.84	12.25	14.73	1.37	0.90	32.56	32.99	32.83	2.65	-28.92	-45.63	8500	31.00	46.38
3000	20.49	28.77	11.86	13.97	1.37	0.89	32.47	33.03	32.91	2.62	-30.26	-51.86			
3200	20.36	28.86	11.61	13.35	1.39	0.89	32.15	32.91	32.88	2.59	-29.04	-51.36			
3400	20.24	28.81	11.48	12.91	1.40	0.88	32.41	33.26	33.21	2.55	-28.27	-50.28			
3600	20.13	28.73	11.42	12.63	1.40	0.88	32.09	33.11	33.09	2.53	-28.99	-52.80			
3800	20.04	28.74	11.38	12.40	1.41	0.88	31.78	33.03	33.04	2.51	-29.38	-51.95			
4000	19.97	28.66	11.32	12.20	1.41	0.87	30.94	32.81	32.88	2.44	-27.60	-52.12			
4200	19.90	28.55	11.19	11.94	1.40	0.87	29.87	32.63	32.76	2.44	-27.42	-54.63			
4400	19.82	28.65	10.89	11.65	1.42	0.88	29.86	32.33	32.54	2.39	-28.42	-54.80			
4600	19.75	28.53	10.49	11.27	1.41	0.87	30.51	32.35	32.57	2.36	-32.88	-52.62			
4800	19.64	28.54	9.97	10.85	1.41	0.88	30.36	32.45	32.78	2.38	-34.12	-51.83			
5000	19.55	28.58	9.38	10.37	1.40	0.88	29.44	32.00	32.35	2.37	-34.47	-51.24			
5200	19.43	28.59	8.79	9.90	1.40	0.87	29.13	31.82	32.17	2.39	-36.28	-50.43			
5400	19.33	28.60	8.23	9.49	1.39	0.87	28.91	31.83	32.08	2.30	-37.36	-51.48			
5600	19.23	28.63	7.80	9.20	1.40	0.87	29.50	32.29	32.48	2.30	-39.33	-53.75			
5800	19.17	28.42	7.50	9.06	1.37	0.86	29.54	32.35	32.60	2.23	-39.26	-54.37			
6000	19.14	28.44	7.36	9.17	1.38	0.86	28.89	32.22	32.50	2.25	-43.01	-53.31			
6200	19.19	28.12	7.45	9.57	1.36	0.86	28.95	32.03	32.31	2.25	-45.97	-55.15			
6400	19.28	28.03	7.81	10.41	1.37	0.87	28.74	31.95	32.29	2.23	-46.98	-53.29			
6600	19.42	27.80	8.51	11.86	1.37	0.88	28.53	32.03	32.37	2.20	-49.94	-48.50			
6800	19.57	27.46	9.63	14.27	1.36	0.88	28.01	31.67	32.11	2.27	-49.54	-47.87			
7000	19.68	27.29	11.12	18.09	1.36	0.89	27.37	31.65	32.17	2.37	-49.24	-47.44			
7200	19.72	27.25	12.71	21.24	1.37	0.89	25.83	30.63	31.24	2.51	-52.29	-45.31			
7400	19.64	27.29	13.48	18.14	1.38	0.89	25.04	30.12	30.76	2.72	-57.25	-44.10			
7600	19.37	27.59	12.68	14.53	1.40	0.91	22.64	27.52	29.47	2.98	-57.65	-43.81			
7800	18.89	28.18	10.55	11.67	1.43	0.95	20.61	24.95	28.26	3.33	-47.58	-44.56			
8000	18.11	29.02	7.93	8.94	1.47	0.97	18.12	24.10	27.97	3.73	-40.13	-43.32			
8500	13.90	33.33	2.86	3.48	1.65	0.78	11.96	19.88	24.98	4.95	-28.64	-42.64			
9000	7.65	39.90	1.44	1.52	2.42	0.48	9.22	18.12	23.08	6.18	-16.39	-3.76			
9500	2.38	46.09	0.85	0.99	3.71	0.36	8.82	17.67	19.87	7.28	-12.51	-16.94			
10000	-2.41	49.57	0.71	0.85	6.36	0.32	6.78	14.58	14.64	8.80	-12.59	-43.84			

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 V, V_{ladj} = 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	-27.54	54.92	0.07	0.06	1.68	0.03	-51.12	-33.70	-40.98	33.74	-15.23	-19.55	300	35.37	37.75
50	1.79	48.28	0.40	0.42	1.77	0.17	21.15	21.08	21.13	12.15	-8.65	-20.08	400	36.62	39.89
100	13.30	36.97	1.74	1.90	1.43	0.52	26.85	27.19	27.16	7.35	-10.62	-25.05	500	37.44	41.04
150	17.53	32.58	5.07	6.10	1.49	0.98	27.12	27.32	27.27	7.01	-14.38	-30.32	600	37.13	42.41
200	20.10	30.09	10.62	8.13	1.30	0.87	28.19	28.44	28.41	4.83	-18.73	-37.97	700	36.99	43.37
250	20.76	29.39	13.76	9.19	1.27	0.82	28.51	28.67	28.61	4.09	-21.50	-46.85	800	36.70	44.53
300	20.93	29.10	12.55	8.55	1.25	0.75	28.97	29.07	28.97	3.78	-24.62	-54.11	900	36.81	45.38
400	20.97	29.13	10.16	7.40	1.25	0.67	28.96	29.09	29.00	3.49	-27.13	-51.76	1000	36.81	45.44
500	20.92	29.09	9.23	6.92	1.24	0.63	29.27	29.35	29.24	3.25	-28.90	-47.70	1500	36.84	43.08
600	20.91	29.05	8.90	6.81	1.24	0.62	29.73	29.81	29.69	3.21	-29.39	-48.47	2000	37.19	40.96
700	20.87	29.00	8.83	6.91	1.25	0.62	29.64	29.72	29.60	3.13	-30.20	-45.66	2500	37.72	39.59
800	20.82	29.01	9.03	7.22	1.27	0.65	29.85	29.88	29.73	3.19	-30.68	-45.63	3000	37.00	38.24
900	20.89	28.98	9.20	7.47	1.27	0.66	29.66	29.79	29.66	3.15	-31.08	-45.52	3500	36.92	38.10
1000	20.92	28.88	9.45	7.83	1.27	0.67	30.23	30.36	30.19	3.02	-31.19	-44.23	4000	35.01	38.45
1200	20.92	28.75	10.23	8.81	1.28	0.72	30.28	30.50	30.39	2.95	-30.38	-42.03	4500	35.02	38.43
1400	20.90	28.75	11.25	10.16	1.30	0.77	30.47	30.74	30.59	2.98	-30.18	-41.48	5000	36.00	44.27
1600	20.86	28.60	12.29	11.72	1.31	0.81	30.34	30.74	30.65	2.88	-29.08	-41.15	5500	35.14	47.74
1800	20.77	28.55	13.11	13.38	1.33	0.85	30.32	30.66	30.59	2.84	-27.66	-39.98	6000	34.73	50.12
2000	20.65	28.51	13.48	14.78	1.34	0.88	30.46	31.05	30.99	2.77	-27.02	-39.27	6500	36.09	59.44
2200	20.49	28.41	13.29	15.30	1.34	0.89	30.42	30.91	30.77	2.72	-25.42	-37.86	7000	36.45	70.95
2400	20.32	28.42	12.74	14.87	1.35	0.90	30.47	31.07	30.95	2.69	-24.69	-37.27	7500	35.24	69.87
2600	20.13	28.46	12.11	14.01	1.37	0.90	30.58	31.16	31.03	2.62	-24.36	-39.53	8000	31.71	54.50
2800	19.96	28.49	11.59	13.15	1.38	0.90	30.70	31.15	31.05	2.66	-23.05	-43.05	8500	30.13	46.11
3000	19.79	28.47	11.18	12.43	1.39	0.89	30.61	31.19	31.13	2.54	-24.35	-48.18			
3200	19.64	28.43	10.92	11.91	1.40	0.88	30.46	31.12	31.11	2.51	-23.18	-47.72			
3400	19.51	28.43	10.79	11.55	1.41	0.88	30.57	31.36	31.33	2.51	-22.50	-46.03			
3600	19.40	28.36	10.74	11.32	1.41	0.87	30.49	31.36	31.37	2.47	-23.50	-48.88			
3800	19.30	28.31	10.71	11.13	1.42	0.87	30.28	31.31	31.33	2.45	-24.77	-47.85			
4000	19.23	28.29	10.66	10.97	1.42	0.87	29.75	31.06	31.16	2.44	-24.26	-48.64			
4200	19.15	28.30	10.56	10.77	1.43	0.87	28.95	30.94	31.12	2.39	-24.14	-52.30			
4400	19.07	28.22	10.32	10.51	1.43	0.87	28.66	30.73	30.92	2.42	-24.88	-53.83			
4600	18.99	28.21	9.95	10.20	1.42	0.87	28.95	30.78	31.00	2.36	-28.93	-52.71			
4800	18.87	28.22	9.47	9.85	1.42	0.87	29.06	30.89	31.29	2.30	-29.97	-51.96			
5000	18.77	28.30	8.94	9.45	1.43	0.87	28.43	30.38	30.78	2.31	-30.11	-51.81			
5200	18.65	28.24	8.38	9.07	1.41	0.87	28.21	30.07	30.53	2.31	-31.98	-51.62			
5400	18.54	28.23	7.87	8.75	1.41	0.87	28.29	30.10	30.44	2.30	-32.99	-53.60			
5600	18.44	28.22	7.48	8.50	1.40	0.86	28.94	30.64	30.89	2.26	-34.93	-57.32			
5800	18.39	28.19	7.21	8.43	1.40	0.86	29.03	30.69	31.02	2.23	-34.90	-59.77			
6000	18.37	28.08	7.10	8.57	1.40	0.86	28.73	30.59	30.93	2.22	-38.73	-60.52			
6200	18.42	27.85	7.18	8.97	1.38	0.86	28.49	30.35	30.74	2.22	-41.65	-60.46			
6400	18.52	27.62	7.55	9.80	1.38	0.87	28.62	30.33	30.78	2.30	-42.66	-53.23			
6600	18.68	27.43	8.23	11.14	1.39	0.88	28.29	30.33	30.77	2.18	-47.08	-51.97			
6800	18.84	27.05	9.29	13.30	1.38	0.89	27.63	29.84	30.41	2.27	-48.28	-52.18			
7000	18.96	26.91	10.73	16.24	1.39	0.89	26.93	29.89	30.61	2.36	-48.67	-52.29			
7200	18.99	26.82	12.27	18.15	1.39	0.89	25.30	28.97	29.78	2.52	-51.81	-46.90			
7400	18.89	26.90	13.08	16.07	1.40	0.90	23.86	28.17	29.09	2.66	-55.13	-43.06			
7600	18.58	27.17	12.32	13.13	1.42	0.91	21.50	26.22	27.94	2.97	-49.93	-41.14			
7800	18.06	27.78	10.20	10.52	1.45	0.94	19.92	24.29	26.85	3.32	-42.74	-42.12			
8000	17.20	28.77	7.63	8.07	1.50	0.95	16.21	23.21	26.27	3.68	-36.71	-42.61			
8500	12.89	33.26	2.81	3.27	1.72	0.76	10.56	20.40	23.78	4.91	-26.06	-38.23			
9000	6.73	39.64	1.44	1.49	2.55	0.48	7.87	18.94	21.86	6.17	-15.25	-4.27			
9500	1.55	45.49	0.85	0.98	3.79	0.36	5.68	17.00	18.69	7.20	-10.89	-21.94			
10000	-3.19	49.51	0.72	0.85	6.94	0.33	6.44	13.99	14.02	8.52	-10.99	-41.51			

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} = +12.5 V, V_{adj} = 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	-26.85	53.61	0.06	0.09	1.10	0.04	-36.36	-33.82	-46.77	32.86	-17.69	-18.56	300	36.15	41.96
50	2.93	48.97	0.41	0.45	1.74	0.18	20.69	21.35	21.34	12.22	-11.66	-21.14	400	36.74	44.00
100	14.46	36.98	1.89	2.12	1.40	0.56	27.82	28.30	28.42	7.46	-15.19	-36.62	500	37.19	45.03
150	18.45	32.85	5.63	6.40	1.45	0.99	29.12	29.43	29.46	6.65	-20.13	-50.85	600	37.37	46.27
200	20.78	30.45	11.48	8.26	1.28	0.87	30.32	30.56	30.56	4.89	-24.37	-44.54	700	37.36	47.21
250	21.27	29.87	12.95	8.45	1.25	0.79	30.65	30.82	30.79	4.16	-26.91	-44.00	800	37.41	48.15
300	21.37	29.81	11.29	7.61	1.24	0.72	31.07	31.22	31.15	3.85	-30.20	-45.22	900	37.49	48.96
400	21.35	29.86	9.23	6.56	1.24	0.63	30.97	31.17	31.15	3.53	-32.55	-48.93	1000	37.45	49.69
500	21.29	29.83	8.44	6.15	1.24	0.60	31.26	31.37	31.31	3.32	-34.22	-48.41	1500	37.81	49.91
600	21.28	29.73	8.19	6.09	1.23	0.59	31.69	31.79	31.70	3.24	-34.84	-49.09	2000	38.44	47.34
700	21.25	29.85	8.13	6.18	1.25	0.60	31.57	31.65	31.56	3.21	-35.97	-47.59	2500	39.11	46.25
800	21.21	29.81	8.33	6.46	1.27	0.62	31.78	31.80	31.65	3.19	-36.50	-47.97	3000	39.11	44.40
900	21.28	29.73	8.48	6.68	1.26	0.63	31.59	31.69	31.57	3.18	-36.76	-48.23	3500	39.91	44.11
1000	21.33	29.71	8.70	6.99	1.27	0.65	32.14	32.26	32.10	3.07	-37.24	-47.47	4000	39.65	41.71
1200	21.37	29.50	9.41	7.86	1.27	0.69	32.22	32.41	32.30	3.07	-36.86	-45.65	4500	39.94	41.80
1400	21.40	29.40	10.37	9.06	1.29	0.74	32.43	32.66	32.58	2.98	-37.20	-45.31	5000	41.52	48.00
1600	21.42	29.21	11.40	10.54	1.30	0.79	32.27	32.66	32.60	2.96	-36.15	-45.79	5500	38.38	51.91
1800	21.38	29.17	12.41	12.25	1.32	0.83	32.16	32.57	32.51	2.88	-34.93	-45.30	6000	37.65	54.23
2000	21.32	28.97	13.16	14.09	1.32	0.86	32.48	33.08	33.01	2.82	-34.38	-44.78	6500	40.86	63.56
2200	21.21	28.98	13.42	15.59	1.34	0.88	32.48	33.01	32.85	2.80	-32.39	-44.02	7000	41.59	75.14
2400	21.07	28.98	13.24	16.20	1.35	0.90	32.64	33.22	33.09	2.85	-31.71	-43.77	7500	38.03	74.17
2600	20.92	28.97	12.81	15.83	1.36	0.90	32.73	33.34	33.17	2.68	-31.34	-44.33	8000	33.43	57.88
2800	20.77	28.89	12.36	15.02	1.36	0.90	32.87	33.31	33.17	2.66	-30.04	-46.39	8500	30.85	48.97
3000	20.62	28.90	11.97	14.26	1.38	0.89	32.80	33.37	33.26	2.59	-31.42	-52.43			
3200	20.48	28.89	11.73	13.62	1.39	0.89	32.64	33.30	33.22	2.59	-30.22	-52.28			
3400	20.36	28.81	11.59	13.16	1.39	0.88	32.70	33.59	33.49	2.62	-29.31	-51.19			
3600	20.26	28.74	11.53	12.87	1.39	0.88	32.64	33.54	33.45	2.52	-29.98	-53.27			
3800	20.17	28.77	11.48	12.60	1.41	0.88	32.23	33.41	33.40	2.50	-30.18	-52.67			
4000	20.10	28.69	11.41	12.39	1.41	0.87	31.21	33.08	33.17	2.45	-28.29	-52.79			
4200	20.03	28.65	11.28	12.14	1.41	0.87	30.50	32.90	33.02	2.44	-28.27	-54.87			
4400	19.95	28.73	10.99	11.84	1.42	0.88	30.29	32.52	32.77	2.46	-29.22	-55.07			
4600	19.88	28.63	10.57	11.43	1.41	0.88	30.85	32.57	32.81	2.37	-33.74	-52.72			
4800	19.78	28.57	10.05	11.01	1.40	0.87	30.72	32.69	32.98	2.40	-35.05	-51.88			
5000	19.69	28.59	9.44	10.50	1.40	0.87	29.84	32.26	32.58	2.37	-35.43	-51.68			
5200	19.57	28.61	8.84	10.02	1.39	0.87	29.40	32.00	32.34	2.34	-37.36	-50.46			
5400	19.47	28.63	8.27	9.59	1.39	0.87	29.15	32.02	32.29	2.33	-38.49	-51.34			
5600	19.36	28.63	7.83	9.29	1.39	0.87	29.74	32.47	32.65	2.30	-40.45	-53.28			
5800	19.31	28.54	7.52	9.14	1.38	0.86	29.87	32.57	32.81	2.28	-40.29	-53.98			
6000	19.28	28.39	7.39	9.24	1.37	0.86	29.35	32.46	32.71	2.24	-43.94	-53.12			
6200	19.32	28.35	7.46	9.60	1.37	0.86	29.23	32.29	32.55	2.24	-46.90	-54.40			
6400	19.41	28.05	7.83	10.45	1.36	0.87	29.32	32.33	32.60	2.22	-47.79	-52.81			
6600	19.55	27.83	8.54	11.91	1.36	0.87	28.92	32.33	32.61	2.24	-50.32	-47.87			
6800	19.70	27.51	9.66	14.36	1.35	0.88	28.42	32.05	32.40	2.30	-49.78	-47.64			
7000	19.82	27.36	11.16	18.29	1.36	0.88	27.74	31.99	32.42	2.40	-49.49	-47.22			
7200	19.86	27.44	12.72	21.90	1.38	0.89	26.52	31.10	31.61	2.56	-52.27	-45.48			
7400	19.77	27.43	13.50	18.69	1.38	0.89	25.07	30.13	30.82	2.70	-56.86	-44.55			
7600	19.51	27.75	12.68	14.86	1.40	0.91	22.99	27.77	29.63	3.00	-60.41	-44.53			
7800	19.05	28.20	10.57	11.92	1.42	0.95	21.43	25.29	28.54	3.35	-49.34	-45.39			
8000	18.28	29.05	7.92	9.09	1.46	0.97	17.94	23.79	27.84	3.69	-41.36	-44.39			
8500	14.06	33.43	2.84	3.49	1.64	0.78	12.66	20.39	25.28	5.00	-29.43	-43.22			
9000	7.77	39.86	1.43	1.52	2.40	0.48	10.12	18.66	23.47	6.19	-16.83	-3.74			
9500	2.49	45.79	0.84	0.98	3.56	0.36	9.16	17.63	19.70	7.30	-12.94	-16.68			
10000	-2.31	50.58	0.71	0.85	7.00	0.33	7.82	14.37	14.36	8.77	-13.02	-44.64			

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 V, V_{adj} = 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	-26.63	47.76	0.10	0.05	1.29	0.02	-36.35	-11.82	-11.04	34.17	300	35.91	41.80
50	3.15	49.57	0.41	0.40	1.73	0.16	21.77	22.14	22.18	10.98	400	37.03	43.60
100	14.81	37.00	1.89	2.08	1.38	0.55	29.09	29.57	29.62	6.25	500	37.11	43.66
150	18.98	32.69	5.84	6.73	1.41	0.99	29.72	30.05	30.13	5.77	600	37.05	45.03
200	21.05	30.70	11.71	8.25	1.28	0.86	30.47	30.87	30.98	3.98	700	36.94	46.13
250	21.50	30.17	12.87	8.28	1.25	0.79	30.74	31.00	31.05	3.31	800	36.59	47.03
300	21.55	30.12	11.10	7.41	1.25	0.71	31.09	31.32	31.29	3.12	900	36.69	48.60
400	21.51	30.11	9.02	6.35	1.23	0.62	30.93	31.07	31.02	2.87	1000	36.66	49.76
500	21.45	30.32	8.25	5.95	1.25	0.60	31.19	31.25	31.14	2.67	1500	36.42	50.55
600	21.42	30.17	8.01	5.86	1.24	0.58	31.63	31.67	31.57	2.62	2000	36.98	45.72
700	21.41	30.11	7.89	5.93	1.24	0.58	31.52	31.54	31.41	2.54	2500	39.23	41.83
800	21.33	30.10	8.08	6.18	1.26	0.61	31.69	31.66	31.51	2.55	3000	38.33	40.10
900	21.41	30.02	8.21	6.40	1.26	0.62	31.51	31.59	31.46	2.59	3500	38.83	40.21
1000	21.47	29.90	8.38	6.64	1.25	0.63	32.15	32.26	32.10	2.44	4000	36.19	38.76
1200	21.52	29.77	8.99	7.39	1.26	0.67	32.14	32.37	32.22	2.45	4500	36.61	37.67
1400	21.55	29.61	9.88	8.47	1.28	0.72	32.30	32.57	32.43	2.41	5000	38.92	44.65
1600	21.60	29.48	10.87	9.79	1.29	0.77	32.20	32.67	32.60	2.34	5500	36.73	48.62
1800	21.59	29.34	11.89	11.32	1.30	0.81	32.03	32.50	32.46	2.27	6000	36.06	51.19
2000	21.55	29.23	12.84	13.02	1.31	0.84	32.46	33.18	33.12	2.25	6500	38.32	60.47
2200	21.47	29.21	13.41	14.61	1.32	0.87	32.06	32.77	32.66	2.18	7000	38.90	71.60
2400	21.37	29.09	13.51	15.67	1.32	0.88	32.68	33.43	33.30	1.95	7500	37.44	72.26
2600	21.24	29.01	13.32	15.89	1.33	0.89	32.54	33.23	33.13	2.05	8000	30.51	58.12
2800	21.12	28.97	13.06	15.56	1.34	0.89	32.88	33.48	33.34	2.02	8500	29.08	49.33
3000	20.99	28.91	12.74	15.06	1.34	0.88	32.77	33.48	33.40	2.03			
3200	20.87	28.96	12.55	14.53	1.36	0.88	32.22	33.08	33.04	1.93			
3400	20.77	28.87	12.44	14.08	1.36	0.88	32.94	34.02	34.03	1.93			
3600	20.67	28.79	12.39	13.78	1.36	0.87	32.04	33.14	33.11	1.95			
3800	20.59	28.75	12.31	13.46	1.36	0.87	32.08	33.26	33.34	1.91			
4000	20.52	28.63	12.22	13.20	1.36	0.86	31.92	33.52	33.69	1.90			
4200	20.45	28.59	12.06	12.85	1.36	0.86	30.72	33.10	33.39	1.85			
4400	20.38	28.61	11.75	12.48	1.36	0.86	30.48	33.20	33.48	1.83			
4600	20.31	28.52	11.29	12.05	1.35	0.86	31.14	33.29	33.66	1.79			
4800	20.23	28.58	10.77	11.62	1.36	0.87	30.77	32.82	33.46	1.78			
5000	20.16	28.56	10.18	11.17	1.35	0.86	30.02	32.39	33.03	1.77			
5200	20.07	28.44	9.60	10.74	1.33	0.86	29.60	32.10	32.76	1.73			
5400	20.00	28.43	9.05	10.41	1.33	0.86	29.71	32.38	32.87	1.68			
5600	19.94	28.37	8.61	10.21	1.32	0.85	30.08	32.50	32.80	1.65			
5800	19.92	28.27	8.32	10.18	1.31	0.85	30.22	32.61	33.00	1.65			
6000	19.91	28.11	8.19	10.38	1.30	0.85	29.69	32.68	33.12	1.66			
6200	19.96	27.98	8.25	10.85	1.30	0.85	29.48	32.45	32.91	1.61			
6400	20.04	27.80	8.60	11.86	1.29	0.85	29.49	32.41	32.87	1.63			
6600	20.18	27.50	9.35	13.58	1.28	0.85	28.93	32.36	32.85	1.63			
6800	20.31	27.28	10.55	16.59	1.28	0.85	28.54	31.99	32.56	1.68			
7000	20.40	27.14	12.29	21.65	1.28	0.85	27.80	31.95	32.57	1.78			
7200	20.45	27.14	14.35	23.12	1.29	0.84	26.33	30.91	31.58	1.87			
7400	20.38	27.06	15.91	17.54	1.28	0.83	26.26	30.61	31.43	2.08			
7600	20.20	27.36	15.48	14.17	1.29	0.84	23.18	28.09	29.97	2.27			
7800	19.91	27.64	13.54	12.20	1.29	0.87	21.51	25.57	28.41	2.58			
8000	19.44	28.21	10.70	10.53	1.31	0.92	21.35	25.48	28.70	2.86			
8500	16.34	31.52	3.73	4.57	1.38	0.86	16.29	20.89	23.56	3.96			
9000	10.22	38.05	1.25	1.61	1.63	0.50	9.77	19.25	23.24	5.27			
9500	4.69	43.88	0.73	0.88	2.12	0.32	9.47	18.76	21.96	6.15			
10000	-0.36	48.92	0.54	0.68	3.26	0.27	8.60	15.49	16.18	7.17			

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 V, V_{adj} = Open @ Temperature = +85°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	-26.91	58.57	0.10	0.09	5.01	0.04	-37.63	-42.46	-43.13	36.03	300	36.34	41.49
50	2.39	48.17	0.42	0.46	1.81	0.18	20.26	20.87	20.82	12.65	400	37.00	43.42
100	13.87	36.94	1.86	2.07	1.43	0.56	26.24	26.68	26.84	7.97	500	37.42	44.45
150	17.87	32.64	5.35	6.06	1.46	0.97	28.03	28.33	28.39	7.08	600	37.55	45.77
200	20.37	30.20	11.11	8.25	1.29	0.87	29.25	29.55	29.60	5.37	700	37.53	46.77
250	20.96	29.51	13.43	8.81	1.26	0.80	29.85	30.06	30.04	4.65	800	37.56	47.79
300	21.09	29.36	11.96	8.05	1.25	0.73	30.31	30.48	30.41	4.35	900	37.66	48.61
400	21.10	29.45	9.71	6.95	1.25	0.65	30.39	30.57	30.56	4.01	1000	37.64	49.32
500	21.05	29.43	8.86	6.51	1.24	0.61	30.60	30.77	30.70	3.76	1500	37.98	49.05
600	21.03	29.35	8.56	6.42	1.24	0.60	31.00	31.13	31.06	3.71	2000	38.64	46.59
700	21.00	29.44	8.53	6.54	1.26	0.62	30.95	31.08	30.99	3.61	2500	38.95	45.28
800	21.00	29.38	8.72	6.84	1.27	0.63	31.19	31.25	31.12	3.67	3000	38.51	43.32
900	21.06	29.24	8.91	7.11	1.26	0.64	30.93	31.09	30.98	3.65	3500	39.07	43.11
1000	21.09	29.23	9.17	7.48	1.27	0.66	31.51	31.65	31.52	3.50	4000	38.60	41.05
1200	21.12	29.06	9.97	8.47	1.28	0.71	31.59	31.81	31.70	3.45	4500	38.51	41.99
1400	21.14	28.91	10.99	9.85	1.29	0.76	31.81	32.07	31.99	3.41	5000	39.39	48.11
1600	21.12	28.85	12.06	11.49	1.31	0.81	31.59	31.97	31.90	3.34	5500	37.19	51.57
1800	21.06	28.80	12.96	13.42	1.33	0.85	31.47	31.83	31.77	3.30	6000	36.64	54.16
2000	20.96	28.74	13.42	15.26	1.34	0.88	31.66	32.18	32.09	3.24	6500	39.30	63.56
2200	20.81	28.66	13.31	16.34	1.35	0.89	31.79	32.35	32.23	3.17	7000	39.66	74.90
2400	20.65	28.73	12.79	16.07	1.37	0.90	31.89	32.42	32.33	3.13	7500	36.95	72.95
2600	20.46	28.60	12.17	15.09	1.36	0.90	31.75	32.33	32.23	3.12	8000	32.77	57.86
2800	20.29	28.71	11.63	14.02	1.39	0.90	31.90	32.37	32.25	3.05	8500	30.32	48.68
3000	20.12	28.79	11.21	13.17	1.41	0.90	31.74	32.32	32.24	3.05			
3200	19.97	28.79	10.94	12.55	1.42	0.89	31.51	32.25	32.23	3.01			
3400	19.84	28.79	10.80	12.13	1.43	0.89	31.57	32.42	32.36	2.96			
3600	19.73	28.69	10.76	11.86	1.43	0.88	31.31	32.25	32.27	2.93			
3800	19.63	28.62	10.71	11.67	1.44	0.88	30.87	32.16	32.18	2.90			
4000	19.55	28.60	10.69	11.50	1.44	0.88	30.13	31.94	32.02	2.89			
4200	19.46	28.50	10.58	11.25	1.44	0.87	29.64	31.73	31.86	2.86			
4400	19.38	28.52	10.31	10.97	1.45	0.87	29.67	31.52	31.66	2.84			
4600	19.29	28.54	9.90	10.55	1.45	0.87	30.06	31.66	31.81	2.86			
4800	19.17	28.56	9.38	10.12	1.45	0.88	29.65	31.39	31.63	2.83			
5000	19.05	28.59	8.80	9.61	1.44	0.87	29.21	31.30	31.49	2.75			
5200	18.91	28.65	8.19	9.11	1.44	0.87	28.71	30.87	31.08	2.86			
5400	18.78	28.69	7.64	8.68	1.44	0.87	28.44	30.75	30.97	2.76			
5600	18.66	28.75	7.21	8.36	1.44	0.86	28.94	31.22	31.32	2.73			
5800	18.58	28.64	6.92	8.20	1.43	0.86	29.03	31.36	31.53	2.71			
6000	18.53	28.61	6.78	8.26	1.43	0.86	28.69	31.28	31.47	2.73			
6200	18.57	28.39	6.87	8.59	1.42	0.86	28.56	31.19	31.40	2.69			
6400	18.66	28.18	7.21	9.32	1.42	0.87	28.48	31.16	31.46	2.66			
6600	18.82	27.90	7.90	10.60	1.42	0.88	28.04	31.10	31.39	2.69			
6800	18.99	27.65	8.94	12.66	1.43	0.89	27.76	31.07	31.37	2.76			
7000	19.12	27.41	10.32	15.82	1.43	0.90	26.90	30.82	31.21	2.91			
7200	19.16	27.36	11.71	18.90	1.44	0.91	25.66	30.21	30.59	3.02			
7400	19.04	27.44	12.23	17.49	1.46	0.92	24.67	29.78	30.08	3.20			
7600	18.68	27.97	11.17	13.90	1.51	0.95	22.25	27.39	28.88	3.52			
7800	18.05	28.59	9.00	10.59	1.55	0.97	20.37	25.07	27.98	3.92			
8000	16.98	29.77	6.54	7.65	1.62	0.97	17.48	23.66	27.08	4.33			
8500	12.08	34.88	2.49	2.93	1.96	0.73	12.45	20.18	24.27	5.68			
9000	5.93	41.09	1.46	1.42	3.07	0.46	9.91	18.38	21.79	7.03			
9500	0.72	46.69	0.90	0.98	4.81	0.36	7.46	17.65	18.33	8.13			
10000	-3.90	50.17	0.79	0.88	8.97	0.33	7.41	13.49	12.88	9.42			

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 V, V_{Iadj} = Open @ Temperature = +25°C

FREQ	OIP3 P_{OUT} = +12 dBm	OIP3 P_{OUT} = +15 dBm	OIP3 P_{OUT} = +18 dBm	OIP3 P_{OUT} = +21 dBm	OIP3 P_{OUT} = +24 dBm
(MHz)	(dBm)	(dBm)	(dBm)	(dBm)	(dBm)
300	34.01	34.67	39.03	38.66	38.23
400	35.27	34.84	37.91	40.48	39.09
500	36.20	35.30	37.59	40.04	39.57
600	36.70	35.53	37.52	39.78	40.27
700	36.83	35.56	37.46	39.62	40.62
800	36.74	35.65	37.37	39.30	40.23
900	36.91	35.70	37.45	39.28	40.85
1000	36.72	35.62	37.46	39.26	41.13
1500	36.36	35.71	37.63	38.78	40.09
2000	36.30	36.10	38.09	38.84	39.77
2500	37.70	37.05	38.27	40.00	40.20
3000	37.37	37.02	37.85	38.97	39.83
3500	38.09	37.74	38.20	38.55	39.59
4000	38.89	38.16	38.09	36.94	38.65
4500	37.41	38.07	38.73	37.17	38.17
5000	37.28	38.05	39.67	38.09	38.66
5500	36.73	37.33	38.00	37.57	39.03
6000	36.22	36.92	37.59	37.36	38.75
6500	38.47	39.17	40.00	38.82	38.81
7000	38.10	39.02	39.88	38.50	37.79
7500	33.56	35.09	36.44	36.21	36.46
8000	30.02	31.81	31.61	32.82	32.82
8500	28.07	29.01	29.92	30.98	31.16

Power	OIP3 (@300 MHz)	OIP3 (@2000 MHz)	OIP3 (@4000 MHz)	OIP3 (@6000 MHz)	OIP3 (@7000 MHz)
(dBm)	(dBm)	(dBm)	(dBm)	(dBm)	(dBm)
12.00	34.01	36.30	38.89	36.22	38.10
15.00	34.67	36.10	38.16	36.92	39.02
18.00	39.03	38.09	38.09	37.59	39.88
21.00	38.66	38.84	36.94	37.36	38.50
24.00	38.23	39.77	38.65	38.75	37.79

Typical Performance Data

TEST CONDITIONS: V_{DD} = +12 V, V_{adj} = Open @ Temperature = +25°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)
300	0	21.63	21.06	2000	0	21.19	21.22	4000	0	19.62	19.50
300	0.5	22.16	21.11	2000	0.5	21.71	21.23	4000	0.5	20.11	19.48
300	1	22.70	21.16	2000	1	22.24	21.25	4000	1	20.60	19.47
300	1.5	23.23	21.20	2000	1.5	22.75	21.26	4000	1.5	21.08	19.45
300	2	23.76	21.25	2000	2	23.27	21.26	4000	2	21.56	19.43
300	2.5	24.30	21.29	2000	2.5	23.78	21.27	4000	2.5	22.03	19.41
300	3	24.84	21.33	2000	3	24.30	21.27	4000	3	22.50	19.38
300	3.5	25.38	21.37	2000	3.5	24.80	21.26	4000	3.5	22.97	19.34
300	4	25.92	21.41	2000	4	25.31	21.25	4000	4	23.42	19.30
300	4.5	26.45	21.45	2000	4.5	25.81	21.23	4000	4.5	23.87	19.25
300	5	26.98	21.48	2000	5	26.31	21.22	4000	5	24.32	19.20
300	5.5	27.50	21.49	2000	5.5	26.80	21.21	4000	5.5	24.77	19.14
300	6	28.00	21.49	2000	6	27.30	21.22	4000	6	25.21	19.09
300	6.5	28.49	21.48	2000	6.5	27.79	21.22	4000	6.5	25.66	19.05
300	7	28.97	21.46	2000	7	28.28	21.21	4000	7	26.11	19.01
300	7.5	29.42	21.42	2000	7.5	28.77	21.20	4000	7.5	26.57	18.97
300	8	29.80	21.35	2000	8	29.26	21.18	4000	8	27.04	18.95
300	8.5	30.11	21.25	2000	8.5	29.74	21.16	4000	8.5	27.51	18.92
300	9	30.37	21.11	2000	9	30.20	21.13	4000	9	27.98	18.91
300	9.5	30.60	20.92	2000	9.5	30.64	21.06	4000	9.5	28.47	18.89
300	10	30.78	20.69	2000	10	31.04	20.97	4000	10	28.94	18.87
300	10.5	30.93	20.43	2000	10.5	31.41	20.84	4000	10.5	29.40	18.84
300	11	31.04	20.13	2000	11	31.73	20.64	4000	11	29.84	18.81
300	11.5	31.13	19.82	2000	11.5	32.01	20.41	4000	11.5	30.31	18.79
300	12	31.20	19.49	2000	12	32.25	20.15	4000	12	30.77	18.74
300	12.5	31.25	19.14	2000	12.5	32.47	19.86	4000	12.5	31.20	18.67
300	13	31.30	18.65	2000	13	32.65	19.54	4000	13	31.58	18.56
300	13.5	31.34	18.27	2000	13.5	32.79	19.17	4000	13.5	31.93	18.41
300	14	31.37	17.89	2000	14	32.89	18.76	4000	14	32.22	18.21
300	14.5	31.40	17.49	2000	14.5	32.96	18.16	4000	14.5	32.47	17.82
300	15	31.43	17.10	2000	15	32.99	17.67	4000	15	32.68	17.54
300	15.5	31.45	16.70	2000	15.5	33.01	17.17	4000	15.5	32.84	17.21
300	16	31.46	16.28	2000	16	33.00	16.65	4000	16	32.97	16.84
300	16.5	31.47	15.86	2000	16.5	32.98	16.13	4000	16.5	33.06	16.44
300	17	31.47	15.43	2000	17	32.94	15.59	4000	17	33.11	15.99
300	17.5	31.47	15.00	2000	17.5	32.90	15.04	4000	17.5	33.13	15.52
300	18	31.47	14.57	2000	18	32.84	14.50	4000	18	33.14	15.03

Typical Performance Data

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

FREQ	P_{IN}	P_{OUT}	Gain	FREQ	P_{IN}	P_{OUT}	Gain
(MHz)	(dBm)	(dBm)	(dB)	(MHz)	(dBm)	(dBm)	(dB)
6000	0	18.37	18.28	7200	0	19.31	19.25
6000	0.5	18.86	18.27	7200	0.5	19.80	19.23
6000	1	19.35	18.25	7200	1	20.29	19.22
6000	1.5	19.84	18.23	7200	1.5	20.78	19.21
6000	2	20.32	18.21	7200	2	21.27	19.19
6000	2.5	20.81	18.20	7200	2.5	21.75	19.17
6000	3	21.29	18.18	7200	3	22.22	19.14
6000	3.5	21.77	18.16	7200	3.5	22.70	19.11
6000	4	22.24	18.12	7200	4	23.17	19.08
6000	4.5	22.71	18.10	7200	4.5	23.63	19.04
6000	5	23.18	18.06	7200	5	24.09	19.00
6000	5.5	23.65	18.03	7200	5.5	24.54	18.95
6000	6	24.12	18.00	7200	6	24.97	18.88
6000	6.5	24.59	17.97	7200	6.5	25.39	18.80
6000	7	25.06	17.94	7200	7	25.79	18.70
6000	7.5	25.54	17.92	7200	7.5	26.16	18.58
6000	8	26.02	17.90	7200	8	26.52	18.45
6000	8.5	26.50	17.89	7200	8.5	26.88	18.31
6000	9	26.98	17.88	7200	9	27.23	18.17
6000	9.5	27.46	17.86	7200	9.5	27.56	18.01
6000	10	27.92	17.82	7200	10	27.89	17.84
6000	10.5	28.36	17.77	7200	10.5	28.21	17.67
6000	11	28.79	17.70	7200	11	28.54	17.50
6000	11.5	29.21	17.62	7200	11.5	28.89	17.36
6000	12	29.61	17.53	7200	12	29.29	17.26
6000	12.5	30.00	17.41	7200	12.5	29.72	17.19
6000	13	30.39	17.31	7200	13	30.14	17.11
6000	13.5	30.77	17.18	7200	13.5	30.50	16.97
6000	14	31.12	17.03	7200	14	30.77	16.74
6000	14.5	31.44	16.69	7200	14.5	30.98	16.45
6000	15	31.70	16.46	7200	15	31.14	15.96
6000	15.5	31.93	16.18	7200	15.5	31.27	15.59
6000	16	32.13	15.87	7200	16	31.38	15.20
6000	16.5	32.28	15.51	7200	16.5	31.47	14.78
6000	17	32.40	15.13	7200	17	31.54	14.34
6000	17.5	32.49	14.71	7200	17.5	31.60	13.89
6000	18	32.55	14.26	7200	18	31.64	13.41

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 V, V_{adj} = Open @ Temperature = +25°C

P_{IN}	P_{OUT} (@300 MHz)	P_{OUT} (@2000 MHz)	P_{OUT} (@4000 MHz)	P_{OUT} (@6000 MHz)	P_{OUT} (@7200 MHz)	I_{DD} (@300 MHz)	I_{DD} (@2000 MHz)	I_{DD} (@4000 MHz)	I_{DD} (@6000 MHz)	I_{DD} (@7200 MHz)
(dBm)	(dBm)	(dBm)	(dBm)	(dBm)	(dBm)	(mA)	(mA)	(mA)	(mA)	(mA)
0	21.63	21.19	19.62	18.37	19.31	204.11	200.58	200.99	200.19	198.49
0.5	22.16	21.71	20.11	18.86	19.80	206.72	202.51	202.30	201.24	199.76
1	22.70	22.24	20.60	19.35	20.29	210.18	204.51	203.81	202.46	201.25
1.5	23.23	22.75	21.08	19.84	20.78	214.41	206.69	205.54	203.87	203.00
2	23.76	23.27	21.56	20.32	21.27	219.09	209.00	207.59	205.51	205.01
2.5	24.30	23.78	22.03	20.81	21.75	223.87	211.50	209.94	207.37	207.34
3	24.84	24.30	22.50	21.29	22.22	229.70	214.28	212.64	209.50	209.98
3.5	25.38	24.80	22.97	21.77	22.70	236.48	217.41	215.71	211.90	213.02
4	25.92	25.31	23.42	22.24	23.17	243.89	221.55	219.25	214.68	216.51
4.5	26.45	25.81	23.87	22.71	23.63	252.51	226.83	223.29	217.85	221.20
5	26.98	26.31	24.32	23.18	24.09	261.94	233.33	227.84	221.44	226.42
5.5	27.50	26.80	24.77	23.65	24.54	272.15	241.22	232.94	225.53	232.13
6	28.00	27.30	25.21	24.12	24.97	283.20	250.46	238.75	230.57	238.36
6.5	28.49	27.79	25.66	24.59	25.39	294.53	260.89	245.53	236.37	245.09
7	28.97	28.28	26.11	25.06	25.79	305.55	272.38	253.42	242.68	252.60
7.5	29.42	28.77	26.57	25.54	26.16	314.63	284.77	262.60	249.62	260.76
8	29.80	29.26	27.04	26.02	26.52	320.89	298.00	273.15	257.25	269.28
8.5	30.11	29.74	27.51	26.50	26.88	324.57	312.25	285.06	265.83	277.92
9	30.37	30.20	27.98	26.98	27.23	325.55	327.28	298.28	275.42	287.00
9.5	30.60	30.64	28.47	27.46	27.56	322.37	342.82	312.55	285.98	296.61
10	30.78	31.04	28.94	27.92	27.89	316.43	358.38	327.65	297.34	306.70
10.5	30.93	31.41	29.40	28.36	28.21	309.98	373.58	343.23	309.36	317.26
11	31.04	31.73	29.84	28.79	28.54	304.10	387.73	359.54	322.01	329.70
11.5	31.13	32.01	30.31	29.21	28.89	298.91	401.54	376.69	335.22	343.88
12	31.20	32.25	30.77	29.61	29.29	293.91	414.33	394.25	348.92	359.94
12.5	31.25	32.47	31.20	30.00	29.72	289.54	425.77	412.17	363.28	377.95
13	31.30	32.65	31.58	30.39	30.14	285.21	434.81	431.41	378.48	397.31
13.5	31.34	32.79	31.93	30.77	30.50	280.56	437.23	452.35	394.37	416.86
14	31.37	32.89	32.22	31.12	30.77	276.56	434.27	474.56	410.58	435.62
14.5	31.40	32.96	32.47	31.44	30.98	272.30	428.80	497.10	426.70	452.85
15	31.43	32.99	32.68	31.70	31.14	268.50	421.99	518.93	442.33	466.55
15.5	31.45	33.01	32.84	31.93	31.27	264.95	414.82	539.33	457.25	478.67
16	31.46	33.00	32.97	32.13	31.38	261.25	407.62	557.47	471.35	489.62
16.5	31.47	32.98	33.06	32.28	31.47	258.07	400.50	572.15	484.45	498.27
17	31.47	32.94	33.11	32.40	31.54	254.66	393.52	579.55	497.09	503.19
17.5	31.47	32.90	33.13	32.49	31.60	251.90	386.82	576.51	508.21	505.29
18	31.47	32.84	33.14	32.55	31.64	249.11	383.35	570.32	514.89	504.42

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_{ladj} = 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	211.36	192.26	210.98	-3.68	0.00	-3.70
50	444.33	471.35	469.15	0.60	0.33	0.30
100	470.32	476.84	461.78	9.82	10.77	10.95
150	430.24	422.06	402.31	14.93	16.00	16.28
200	390.14	379.23	364.01	20.56	22.38	23.11
250	342.63	326.23	311.69	25.51	27.89	28.46
300	312.99	293.93	279.74	30.99	34.06	34.78
400	281.73	259.64	249.39	33.93	37.95	39.00
500	276.06	245.68	234.48	36.78	42.38	43.23
600	277.96	244.29	233.27	40.52	47.08	47.85
700	283.95	252.08	241.84	38.57	44.06	44.51
800	296.81	260.69	246.28	38.55	44.24	44.79
900	312.86	277.39	263.21	35.09	40.43	41.16
1000	331.33	293.69	274.65	38.26	43.86	44.88
1200	357.64	325.48	303.79	35.61	40.91	42.19
1400	377.43	351.68	328.06	35.41	39.84	41.33
1600	392.13	381.76	357.46	33.13	37.06	38.53
1800	408.45	404.72	379.14	31.31	34.43	35.84
2000	414.47	430.90	404.11	33.05	36.10	37.38
2200	433.28	455.20	424.66	30.30	32.88	34.05
2400	449.64	484.00	451.11	31.08	32.67	33.82
2600	459.03	497.29	466.60	31.40	32.71	33.25
2800	468.94	495.81	467.50	31.72	32.90	33.34
3000	466.52	505.58	480.64	31.22	32.53	32.95
3200	469.26	522.61	498.93	28.82	30.61	31.52
3400	465.35	536.09	511.15	30.88	32.39	33.22
3600	466.95	543.69	517.05	28.54	30.81	31.94
3800	455.54	558.32	540.39	27.22	29.45	30.11
4000	419.11	574.52	572.42	24.41	27.19	27.37
4200	370.86	567.48	579.30	21.52	26.39	26.27
4400	362.43	538.02	560.13	21.94	25.94	25.78
4600	374.98	514.52	540.60	24.68	27.29	27.01
4800	359.65	489.75	528.58	24.86	29.30	28.90
5000	344.23	477.16	515.17	21.00	27.10	26.83
5200	343.31	472.90	507.25	19.60	26.21	26.12
5400	345.69	494.37	518.24	18.44	25.03	24.88
5600	361.41	511.95	526.28	20.29	27.02	27.06
5800	360.82	510.78	530.93	20.50	27.39	27.54
6000	342.18	508.02	528.44	18.58	26.67	26.87
6200	348.45	502.16	523.61	18.54	25.88	26.10
6400	341.52	492.84	516.26	17.98	25.79	26.19
6600	324.25	481.84	506.31	18.06	26.94	27.34
6800	312.68	468.67	500.29	16.63	25.50	26.06
7000	289.02	463.47	501.08	15.51	25.68	26.39
7200	272.21	465.49	511.40	11.55	20.19	20.85
7400	256.36	465.65	526.23	10.22	17.95	18.08
7600	237.43	397.80	534.78	6.33	11.48	13.14
7800	227.09	339.79	527.70	4.14	7.42	10.02
8000	203.12	311.54	520.06	2.60	6.62	9.41
8500	192.97	289.36	529.26	0.62	2.41	3.85
9000	192.06	309.40	541.57	0.22	0.66	0.04
9500	194.30	348.33	462.55	-0.06	-1.36	-2.95
10000	192.13	305.07	315.26	-1.08	-6.83	-6.59

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 V, V_{adj} = Open @ Temperature = +25°C

P_{IN}	P_{DISS} (@300 MHz)	P_{DISS} (@2000 MHz)	P_{DISS} (@4000 MHz)	P_{DISS} (@6000 MHz)	P_{DISS} (@7200 MHz)	PAE (@300 MHz)	PAE (@2000 MHz)	PAE (@4000 MHz)	PAE (@6000 MHz)	PAE (@7200 MHz)
(dBm)	(W)	(W)	(W)	(W)	(W)	(%)	(%)	(%)	(%)	(%)
0	2.30	2.27	2.32	2.34	2.30	6.06	5.43	3.78	2.91	3.54
0.5	2.31	2.28	2.33	2.34	2.30	6.80	6.06	4.19	3.24	3.94
1	2.33	2.29	2.33	2.35	2.31	7.59	6.76	4.65	3.59	4.37
1.5	2.35	2.29	2.34	2.36	2.32	8.46	7.53	5.14	3.98	4.85
2	2.38	2.29	2.35	2.36	2.33	9.40	8.36	5.68	4.40	5.38
2.5	2.42	2.30	2.36	2.37	2.34	10.37	9.28	6.26	4.87	5.94
3	2.45	2.30	2.38	2.39	2.35	11.40	10.27	6.89	5.37	6.54
3.5	2.48	2.31	2.39	2.40	2.38	12.53	11.32	7.56	5.91	7.19
4	2.52	2.32	2.41	2.42	2.41	13.74	12.45	8.26	6.48	7.88
4.5	2.57	2.34	2.44	2.44	2.45	14.96	13.62	9.00	7.10	8.62
5	2.63	2.38	2.47	2.46	2.49	16.26	14.83	9.77	7.75	9.39
5.5	2.68	2.42	2.50	2.49	2.53	17.69	16.02	10.59	8.44	10.17
6	2.74	2.47	2.54	2.52	2.58	19.07	17.31	11.44	9.19	10.96
6.5	2.80	2.53	2.58	2.55	2.63	20.45	18.62	12.34	9.99	11.73
7	2.85	2.59	2.64	2.60	2.69	21.94	20.01	13.27	10.84	12.47
7.5	2.88	2.66	2.70	2.64	2.75	23.47	21.44	14.23	11.75	13.17
8	2.89	2.73	2.78	2.69	2.82	24.89	22.92	15.22	12.73	13.84
8.5	2.86	2.80	2.86	2.75	2.89	26.32	24.42	16.25	13.78	14.53
9	2.82	2.88	2.96	2.81	2.96	27.74	25.98	17.34	14.86	15.22
9.5	2.72	2.96	3.06	2.88	3.04	29.29	27.48	18.51	15.96	15.86
10	2.61	3.04	3.16	2.96	3.12	31.00	28.88	19.77	17.06	16.48
10.5	2.50	3.12	3.26	3.04	3.20	32.69	30.15	21.06	18.15	17.10
11	2.40	3.20	3.36	3.12	3.29	34.23	31.27	22.29	19.25	17.74
11.5	2.31	3.27	3.47	3.20	3.39	35.60	32.21	23.67	20.36	18.44
12	2.23	3.33	3.57	3.29	3.51	36.88	33.07	25.04	21.46	19.27
12.5	2.16	3.38	3.67	3.38	3.64	37.99	33.88	26.35	22.51	20.27
13	2.09	3.41	3.79	3.47	3.76	39.00	34.71	27.47	23.65	21.22
13.5	2.03	3.37	3.93	3.56	3.90	39.96	35.77	28.35	24.74	21.96
14	1.97	3.28	4.09	3.66	4.06	40.84	36.80	28.93	25.74	22.36
14.5	1.91	3.19	4.27	3.76	4.21	41.70	37.70	29.25	26.60	22.52
15	1.86	3.10	4.45	3.86	4.34	42.45	38.47	29.38	27.25	22.57
15.5	1.82	3.02	4.62	3.96	4.45	43.15	39.12	29.38	27.77	22.60
16	1.78	2.95	4.78	4.06	4.55	43.81	39.63	29.31	28.10	22.64
16.5	1.74	2.88	4.86	4.18	4.62	44.34	40.01	29.23	28.25	22.67
17	1.70	2.82	4.87	4.30	4.66	44.84	40.26	29.23	28.31	22.71
17.5	1.68	2.76	4.84	4.39	4.68	45.24	40.38	29.32	28.33	22.79
18	1.65	2.77	4.78	4.42	4.66	45.56	40.32	29.45	28.34	22.91