

Typical Performance Data

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

Definitions:

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

TEST CONDITIONS: I = 72mA, Vd = 3.9V @Temperature = +25degC

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP3 Output	1dB Comp. Output	Noise Figure
					K	Delta			
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Delta	(dBm)	(dBm)	(dB)
500	18.50	43.77	7.64	8.93	6.50	0.09	29.86	16.81	3.01
550	19.31	43.25	8.69	10.63	6.14	0.05	30.14	17.79	3.16
600	19.94	43.23	9.86	12.26	6.12	0.02	30.22	16.56	3.38
650	20.40	43.09	11.13	13.99	6.02	0.02	30.00	16.84	3.14
700	20.73	42.99	12.61	15.91	5.97	0.04	29.95	17.82	2.93
750	21.00	41.78	14.13	17.78	5.19	0.07	29.90	17.20	3.10
800	21.22	42.64	15.79	19.74	5.70	0.07	29.71	16.44	3.23
850	21.41	41.21	17.39	21.33	4.81	0.09	29.62	17.33	3.07
900	21.55	41.95	19.35	22.47	5.19	0.09	29.54	17.10	2.82
940	21.68	40.95	20.78	22.81	4.59	0.11	29.48	16.56	2.88
1000	21.81	40.65	23.24	22.48	4.39	0.12	29.41	16.97	2.95
1050	21.88	41.22	24.69	21.71	4.64	0.11	29.33	16.92	2.97
1100	21.99	40.96	25.87	20.81	4.45	0.12	29.26	16.38	2.88
1150	22.06	40.14	26.48	19.66	4.02	0.13	29.22	16.51	2.81
1200	22.14	40.13	25.94	18.55	3.97	0.13	29.12	16.57	2.89
1250	22.18	39.89	25.71	17.88	3.84	0.14	29.05	16.15	2.89
1300	22.27	40.75	25.02	17.11	4.17	0.12	28.93	16.42	2.75
1350	22.29	39.60	24.59	16.23	3.64	0.14	28.91	16.66	2.83
1400	22.36	39.56	24.13	15.54	3.59	0.14	28.88	16.33	2.77
1450	22.40	39.60	24.25	15.01	3.57	0.14	28.86	16.21	3.04
1500	22.40	39.58	24.50	14.40	3.54	0.14	28.81	16.26	2.89
1550	22.45	39.48	24.81	13.88	3.47	0.15	28.82	16.08	2.92
1600	22.48	39.66	25.01	13.35	3.51	0.14	28.71	15.79	2.86
1650	22.44	39.90	25.60	13.03	3.61	0.14	28.55	15.85	2.75
1700	22.46	39.48	26.54	12.55	3.42	0.15	28.39	15.98	2.89
1750	22.43	39.03	27.39	12.27	3.25	0.15	28.37	15.79	2.87
1800	22.40	38.78	28.61	11.87	3.16	0.16	28.28	15.87	2.87
1850	22.36	39.51	29.89	11.60	3.43	0.15	28.19	15.91	2.90
1900	22.32	39.53	30.44	11.42	3.44	0.15	28.20	15.92	2.89
1950	22.21	38.87	29.46	11.15	3.22	0.16	28.10	15.74	2.90
2000	22.12	38.95	27.90	10.86	3.26	0.15	28.09	15.73	2.92
2050	22.06	38.74	25.62	10.74	3.20	0.16	28.08	16.00	2.79
2100	21.91	38.85	23.99	10.59	3.28	0.16	28.02	16.02	2.96
2150	21.76	39.20	22.37	10.35	3.44	0.15	27.97	15.58	3.01
2200	21.56	38.85	20.59	10.24	3.37	0.15	27.91	15.62	2.91
2250	21.42	38.79	19.41	10.13	3.38	0.16	27.94	16.02	2.83
2300	21.24	38.56	18.19	10.01	3.34	0.16	27.94	15.50	3.06
2350	21.06	39.03	17.14	9.93	3.57	0.15	27.95	15.09	3.19
2400	20.87	38.32	16.15	9.81	3.35	0.16	27.94	15.88	3.08
2500	20.37	37.90	14.49	9.77	3.34	0.17	27.89	15.43	2.99

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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: I = 69mA, Vd = 2.8V @Temperature = +25degC

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP3 Output	1dB Comp. Output	Noise Figure
					K	Delta			
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Delta	(dBm)	(dBm)	(dB)
500	17.65	44.61	7.42	9.13	7.88	0.10	26.44	14.35	3.07
550	18.40	43.81	8.45	10.76	7.24	0.06	26.55	15.26	3.19
600	18.95	44.16	9.51	12.39	7.58	0.03	26.63	14.10	3.43
650	19.36	42.98	10.71	13.98	6.64	0.01	26.56	14.41	3.19
700	19.64	42.71	11.95	15.42	6.47	0.04	26.49	15.41	2.95
750	19.87	41.38	13.23	16.70	5.56	0.06	26.46	14.82	3.10
800	20.03	41.19	14.65	17.54	5.45	0.08	26.36	14.24	3.25
850	20.20	42.18	15.90	17.90	6.05	0.07	26.37	15.11	3.10
900	20.30	41.09	17.26	17.94	5.33	0.09	26.34	14.98	2.84
940	20.40	40.13	18.40	17.73	4.75	0.10	26.22	14.37	2.90
1000	20.48	40.29	20.06	17.18	4.80	0.11	26.21	14.85	2.97
1050	20.53	40.31	21.23	16.72	4.79	0.11	26.14	15.01	3.04
1100	20.61	39.58	22.63	16.21	4.38	0.12	26.15	14.47	2.93
1150	20.65	38.94	23.62	15.49	4.05	0.13	26.15	14.52	2.82
1200	20.70	40.09	24.55	14.91	4.56	0.12	26.20	14.85	2.93
1250	20.72	39.16	25.39	14.56	4.09	0.13	26.12	14.51	2.91
1300	20.77	39.55	25.76	14.07	4.23	0.13	26.06	14.62	2.79
1350	20.77	39.14	26.50	13.47	4.02	0.13	26.07	14.97	2.83
1400	20.82	38.83	26.75	13.05	3.84	0.14	26.17	14.80	2.79
1450	20.83	39.25	27.30	12.75	4.01	0.13	26.28	14.56	3.08
1500	20.84	38.99	28.39	12.34	3.87	0.13	26.26	14.61	2.94
1550	20.86	38.64	28.99	11.94	3.69	0.14	26.42	14.61	2.93
1600	20.87	38.15	29.63	11.63	3.48	0.14	26.38	14.37	2.88
1650	20.85	38.07	31.37	11.34	3.44	0.14	26.32	14.27	2.79
1700	20.88	38.46	31.74	11.02	3.55	0.14	26.11	14.45	2.93
1750	20.83	38.40	32.54	10.80	3.53	0.14	26.11	14.44	2.86
1800	20.81	38.00	31.99	10.53	3.37	0.15	26.02	14.40	2.89
1850	20.78	38.38	31.54	10.30	3.51	0.14	25.97	14.34	2.96
1900	20.75	37.66	29.47	10.09	3.23	0.15	25.97	14.49	2.97
1950	20.66	37.44	27.18	9.87	3.17	0.15	25.94	14.41	2.91
2000	20.59	37.96	25.70	9.68	3.36	0.14	25.92	14.24	2.93
2050	20.55	37.67	23.88	9.56	3.26	0.15	25.93	14.49	2.81
2100	20.43	37.56	22.52	9.45	3.25	0.15	25.91	14.64	3.02
2150	20.31	37.57	21.13	9.20	3.26	0.15	25.83	14.14	3.05
2200	20.15	37.07	19.68	9.07	3.12	0.16	25.84	14.13	2.94
2250	20.04	36.84	18.73	8.91	3.06	0.16	25.83	14.62	2.88
2300	19.89	36.88	17.66	8.83	3.11	0.16	25.85	14.19	3.11
2350	19.77	36.81	16.75	8.68	3.10	0.17	25.80	13.59	3.23
2400	19.61	36.96	15.80	8.60	3.18	0.17	25.82	14.45	3.11
2500	19.19	36.37	14.34	8.43	3.08	0.18	25.77	14.00	3.02

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: I = 75mA, Vd = 5V @Temperature = +25degC

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP3 Output	1dB Comp. Output	Noise Figure
					K	Delta			
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Delta	(dBm)	(dBm)	(dB)
500	18.95	46.37	7.73	8.71	8.32	0.11	31.55	18.12	3.03
550	19.79	44.26	8.81	10.27	6.51	0.06	31.92	19.45	3.18
600	20.45	44.64	10.02	11.94	6.78	0.02	32.07	17.81	3.39
650	20.94	43.79	11.40	13.70	6.15	0.02	31.82	17.96	3.13
700	21.30	42.69	12.96	15.47	5.41	0.05	31.77	19.29	2.93
750	21.62	43.40	14.60	17.50	5.83	0.06	31.84	18.49	3.12
800	21.86	42.98	16.55	19.75	5.53	0.07	31.63	17.63	3.25
850	22.10	42.96	18.40	21.96	5.44	0.08	31.49	18.50	3.06
900	22.26	41.88	20.67	25.22	4.78	0.10	31.47	18.21	2.81
940	22.43	41.67	22.64	27.46	4.60	0.11	31.40	17.67	2.89
1000	22.56	42.05	25.43	29.99	4.75	0.11	31.30	18.00	2.97
1050	22.66	41.44	26.89	29.78	4.39	0.12	31.20	17.86	2.98
1100	22.79	41.98	26.93	27.63	4.60	0.11	31.06	17.29	2.90
1150	22.89	41.47	26.25	25.06	4.28	0.12	31.03	17.46	2.83
1200	22.99	40.63	24.66	22.99	3.85	0.13	30.79	17.39	2.92
1250	23.03	40.97	23.91	21.58	3.97	0.13	30.76	16.98	2.86
1300	23.15	40.68	22.89	20.33	3.78	0.13	30.59	17.32	2.77
1350	23.19	40.46	22.23	18.96	3.65	0.14	30.56	17.51	2.86
1400	23.27	40.49	21.90	17.93	3.62	0.14	30.42	17.06	2.78
1450	23.32	41.23	21.54	17.18	3.89	0.13	30.33	16.98	3.03
1500	23.35	40.82	21.75	16.34	3.69	0.13	30.22	17.09	2.90
1550	23.39	40.36	21.77	15.68	3.48	0.14	30.20	16.83	2.95
1600	23.45	39.79	21.89	15.02	3.24	0.16	30.04	16.54	2.89
1650	23.41	40.54	22.54	14.56	3.52	0.14	29.85	16.62	2.74
1700	23.43	39.30	23.06	14.07	3.06	0.16	29.74	16.83	2.88
1750	23.38	40.40	23.85	13.60	3.45	0.15	29.71	16.57	2.87
1800	23.34	39.82	24.69	13.14	3.24	0.16	29.63	16.63	2.89
1850	23.30	41.43	25.70	12.83	3.88	0.13	29.54	16.78	2.90
1900	23.23	40.49	26.02	12.63	3.52	0.15	29.58	16.72	2.91
1950	23.11	40.15	26.16	12.33	3.42	0.15	29.44	16.49	2.91
2000	22.99	40.05	25.61	12.08	3.42	0.15	29.40	16.56	2.92
2050	22.92	40.74	24.04	11.95	3.71	0.14	29.39	16.88	2.78
2100	22.71	39.07	22.90	11.77	3.15	0.17	29.35	16.83	2.95
2150	22.56	40.09	21.41	11.58	3.56	0.15	29.34	16.46	3.03
2200	22.31	40.50	19.93	11.48	3.81	0.14	29.25	16.54	2.92
2250	22.14	40.63	18.82	11.37	3.92	0.14	29.29	16.92	2.85
2300	21.91	40.57	17.60	11.30	3.98	0.14	29.28	16.40	3.05
2350	21.71	39.88	16.59	11.26	3.75	0.15	29.33	15.95	3.21
2400	21.49	40.25	15.59	11.17	3.98	0.14	29.33	16.78	3.10
2500	20.92	38.91	14.04	11.17	3.61	0.16	29.29	16.31	2.99

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: I = 68mA, Vd = 3.9V @Temperature = -40degC

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP3 Output	1dB Comp. Output	Noise Figure
					K	Delta			
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Delta	(dBm)	(dBm)	(dB)
500	18.94	46.09	7.57	8.75	8.02	0.11	29.86	16.75	2.44
550	19.74	44.79	8.59	10.35	6.91	0.06	30.10	17.85	2.56
600	20.36	44.33	9.75	12.03	6.57	0.03	30.21	16.39	2.81
650	20.83	42.99	11.05	13.80	5.64	0.02	30.04	16.53	2.56
700	21.17	42.80	12.48	15.56	5.53	0.04	29.93	17.77	2.37
750	21.44	42.42	13.98	17.44	5.30	0.06	29.87	17.07	2.51
800	21.67	42.30	15.67	19.31	5.20	0.08	29.70	16.24	2.66
850	21.90	42.74	17.33	20.87	5.39	0.08	29.62	17.18	2.52
900	22.04	41.67	19.23	22.15	4.75	0.10	29.56	16.97	2.24
940	22.16	42.37	20.83	22.53	5.10	0.09	29.46	16.32	2.32
1000	22.30	42.89	23.52	22.26	5.34	0.09	29.40	16.74	2.40
1050	22.42	41.06	25.37	21.78	4.30	0.12	29.30	16.78	2.42
1100	22.50	41.20	27.29	20.77	4.32	0.12	29.23	16.14	2.34
1150	22.61	40.88	28.65	19.65	4.11	0.13	29.19	16.22	2.26
1200	22.69	40.42	28.22	18.65	3.86	0.13	29.06	16.33	2.35
1250	22.77	40.66	27.83	18.04	3.92	0.13	28.99	15.94	2.33
1300	22.85	40.79	26.65	17.11	3.92	0.13	28.86	16.24	2.20
1350	22.91	40.08	26.28	16.28	3.59	0.14	28.86	16.44	2.27
1400	23.00	40.03	26.01	15.57	3.52	0.15	28.78	16.13	2.22
1450	23.05	39.85	25.45	14.98	3.42	0.15	28.78	16.01	2.47
1500	23.06	40.67	25.80	14.33	3.71	0.14	28.71	16.09	2.33
1550	23.14	39.84	25.95	13.80	3.34	0.15	28.69	15.88	2.36
1600	23.19	39.33	26.13	13.36	3.13	0.16	28.60	15.62	2.31
1650	23.16	40.06	27.02	12.88	3.39	0.15	28.42	15.65	2.19
1700	23.22	39.58	27.82	12.44	3.18	0.16	28.28	15.75	2.34
1750	23.21	39.05	29.19	12.14	2.99	0.17	28.26	15.61	2.28
1800	23.20	39.28	30.49	11.72	3.05	0.16	28.17	15.69	2.31
1850	23.19	39.17	32.28	11.38	3.00	0.16	28.07	15.69	2.34
1900	23.16	39.00	33.65	11.21	2.95	0.17	28.10	15.66	2.31
1950	23.07	39.19	32.73	10.86	3.02	0.16	27.99	15.59	2.31
2000	22.99	39.42	30.42	10.66	3.11	0.16	27.93	15.60	2.34
2050	22.97	39.84	28.14	10.51	3.25	0.15	27.94	15.79	2.21
2100	22.84	39.64	25.71	10.36	3.21	0.15	27.90	15.88	2.38
2150	22.69	39.34	23.49	10.15	3.14	0.16	27.85	15.45	2.41
2200	22.52	39.38	21.51	10.04	3.20	0.16	27.78	15.38	2.33
2250	22.40	38.32	20.15	9.89	2.87	0.17	27.79	15.81	2.26
2300	22.24	39.40	18.74	9.78	3.27	0.16	27.79	15.35	2.45
2350	22.08	38.40	17.75	9.70	2.96	0.17	27.79	14.77	2.57
2400	21.89	38.60	16.66	9.60	3.07	0.17	27.79	15.66	2.45
2500	21.40	38.49	14.90	9.55	3.16	0.17	27.73	15.27	2.39

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: I = 64mA, Vd = 2.8V @Temperature = -40degC

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP3 Output	1dB Comp. Output	Noise Figure
					K	Delta			
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Delta	(dBm)	(dBm)	(dB)
500	18.11	44.31	7.38	9.03	7.17	0.10	26.58	14.38	2.47
550	18.85	45.70	8.38	10.58	8.49	0.07	26.70	15.38	2.59
600	19.41	44.13	9.44	12.22	7.12	0.03	26.80	13.71	2.85
650	19.83	43.98	10.67	13.83	7.04	0.01	26.67	14.20	2.63
700	20.11	42.17	12.01	15.25	5.76	0.04	26.60	15.45	2.41
750	20.35	42.71	13.26	16.54	6.13	0.05	26.57	14.73	2.55
800	20.53	42.42	14.67	17.41	5.91	0.07	26.45	13.72	2.69
850	20.71	41.50	16.03	17.85	5.28	0.08	26.44	15.04	2.58
900	20.82	41.71	17.53	17.95	5.39	0.09	26.40	14.90	2.26
940	20.93	41.51	18.63	17.67	5.22	0.09	26.29	14.03	2.34
1000	21.02	41.63	20.39	17.13	5.26	0.10	26.23	14.69	2.40
1050	21.07	40.94	21.94	16.67	4.84	0.11	26.16	14.93	2.47
1100	21.17	40.98	23.37	16.16	4.81	0.11	26.18	14.30	2.37
1150	21.22	39.49	24.95	15.54	4.04	0.13	26.15	14.29	2.27
1200	21.28	40.54	25.94	14.88	4.49	0.12	26.18	14.67	2.36
1250	21.32	39.92	27.10	14.55	4.16	0.13	26.10	14.33	2.38
1300	21.38	39.64	27.80	14.06	4.00	0.13	26.03	14.44	2.25
1350	21.41	39.64	28.65	13.45	3.96	0.13	26.05	14.82	2.28
1400	21.47	38.61	28.84	13.04	3.49	0.15	26.11	14.65	2.24
1450	21.50	38.84	29.35	12.67	3.55	0.14	26.23	14.37	2.51
1500	21.51	38.99	30.71	12.18	3.59	0.14	26.19	14.43	2.37
1550	21.54	38.72	31.38	11.86	3.45	0.14	26.30	14.38	2.36
1600	21.58	38.81	32.26	11.53	3.45	0.14	26.28	14.11	2.32
1650	21.54	38.14	34.19	11.26	3.20	0.15	26.20	14.04	2.24
1700	21.60	38.28	35.41	10.90	3.21	0.15	26.01	14.20	2.37
1750	21.56	38.34	36.29	10.68	3.23	0.15	25.98	14.21	2.30
1800	21.57	38.71	36.06	10.34	3.34	0.14	25.88	14.19	2.33
1850	21.55	38.21	34.97	10.11	3.15	0.15	25.81	14.12	2.39
1900	21.52	38.57	32.80	9.96	3.27	0.14	25.80	14.20	2.35
1950	21.46	38.28	29.39	9.76	3.17	0.15	25.76	14.15	2.33
2000	21.41	38.07	27.61	9.52	3.10	0.15	25.72	13.95	2.35
2050	21.41	37.40	25.58	9.38	2.86	0.16	25.72	14.25	2.25
2100	21.27	37.58	23.74	9.26	2.95	0.16	25.70	14.42	2.42
2150	21.19	37.75	22.25	9.09	3.01	0.16	25.61	13.84	2.45
2200	21.04	37.38	20.53	8.92	2.92	0.16	25.59	13.75	2.35
2250	20.94	38.13	19.37	8.80	3.18	0.15	25.57	14.29	2.29
2300	20.81	36.89	18.27	8.70	2.80	0.17	25.61	13.78	2.48
2350	20.70	36.53	17.33	8.61	2.71	0.18	25.56	13.09	2.59
2400	20.56	36.71	16.32	8.43	2.78	0.18	25.54	14.10	2.47
2500	20.17	36.49	14.84	8.33	2.80	0.18	25.51	13.52	2.42

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: I = 72mA, Vd = 5V @Temperature = -40degC

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP3 Output	1dB Comp. Output	Noise Figure
					K	Delta			
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Delta	(dBm)	(dBm)	(dB)
500	19.38	44.23	7.63	8.52	6.10	0.10	31.57	18.01	2.44
550	20.20	43.41	8.73	10.04	5.57	0.06	31.97	19.44	2.59
600	20.88	44.17	9.89	11.71	6.07	0.02	32.07	17.76	2.82
650	21.38	43.99	11.29	13.38	5.95	0.02	31.97	17.84	2.56
700	21.73	43.60	12.80	15.12	5.70	0.05	31.95	19.16	2.36
750	22.06	43.27	14.48	17.04	5.45	0.06	31.88	18.45	2.53
800	22.30	43.83	16.28	19.28	5.78	0.07	31.70	17.52	2.67
850	22.57	41.86	18.28	21.37	4.55	0.10	31.60	18.33	2.50
900	22.72	41.95	20.66	24.01	4.57	0.10	31.54	18.17	2.24
940	22.88	42.80	22.53	26.14	4.96	0.10	31.44	17.54	2.36
1000	23.07	42.73	26.07	28.52	4.84	0.10	31.41	17.88	2.38
1050	23.17	42.46	28.48	28.66	4.65	0.11	31.29	17.81	2.39
1100	23.31	41.49	29.52	27.17	4.10	0.12	31.14	17.29	2.35
1150	23.41	41.87	28.53	24.67	4.23	0.12	31.06	17.41	2.28
1200	23.54	41.08	26.65	22.73	3.81	0.13	30.80	17.28	2.37
1250	23.62	41.39	25.37	21.53	3.89	0.13	30.79	16.96	2.30
1300	23.74	40.64	24.19	20.21	3.53	0.14	30.64	17.26	2.21
1350	23.81	40.47	23.45	18.81	3.42	0.15	30.59	17.41	2.29
1400	23.91	41.26	23.06	17.88	3.67	0.14	30.42	16.98	2.23
1450	24.00	40.92	22.53	17.02	3.49	0.14	30.34	17.00	2.47
1500	24.01	40.69	22.73	16.05	3.38	0.15	30.24	17.06	2.33
1550	24.10	40.82	22.73	15.46	3.39	0.15	30.17	16.78	2.37
1600	24.16	40.52	22.86	14.85	3.24	0.15	30.02	16.55	2.34
1650	24.14	40.40	23.58	14.29	3.19	0.16	29.82	16.65	2.18
1700	24.21	40.65	24.10	13.73	3.25	0.15	29.75	16.73	2.31
1750	24.20	40.69	24.80	13.34	3.25	0.15	29.72	16.50	2.30
1800	24.17	40.63	25.93	12.88	3.23	0.16	29.65	16.62	2.34
1850	24.15	40.08	27.06	12.41	3.03	0.17	29.53	16.69	2.33
1900	24.10	40.65	28.16	12.29	3.24	0.16	29.56	16.63	2.31
1950	24.01	41.25	28.44	11.95	3.48	0.15	29.42	16.55	2.32
2000	23.91	40.38	27.85	11.65	3.18	0.16	29.40	16.62	2.36
2050	23.85	40.37	26.28	11.53	3.19	0.16	29.38	16.82	2.22
2100	23.69	39.97	24.93	11.34	3.10	0.16	29.35	16.81	2.38
2150	23.53	41.41	22.88	11.16	3.68	0.14	29.33	16.47	2.40
2200	23.34	40.02	20.88	11.06	3.21	0.16	29.24	16.45	2.32
2250	23.18	40.54	19.55	10.96	3.44	0.15	29.27	16.83	2.24
2300	22.97	40.30	18.21	10.89	3.41	0.16	29.24	16.36	2.45
2350	22.77	39.43	17.11	10.80	3.15	0.16	29.32	15.94	2.59
2400	22.54	39.61	16.14	10.71	3.27	0.16	29.26	16.72	2.46
2500	22.00	39.69	14.49	10.77	3.47	0.16	29.27	16.36	2.40

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: I = 78mA, Vd = 3.9V @Temperature = +85degC

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP3 Output	1dB Comp. Output	Noise Figure
					K	Delta			
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Delta	(dBm)	(dBm)	(dB)
500	18.00	44.96	7.70	9.09	7.99	0.10	29.99	17.19	3.53
550	18.80	43.63	8.72	10.75	6.84	0.05	30.23	18.00	3.66
600	19.42	42.82	9.88	12.51	6.22	0.01	30.22	16.97	3.89
650	19.87	43.43	11.10	14.26	6.67	0.01	30.06	17.20	3.63
700	20.18	42.68	12.51	16.17	6.15	0.04	29.95	18.09	3.42
750	20.46	42.51	13.98	18.04	6.00	0.05	29.97	17.51	3.59
800	20.67	42.19	15.56	20.05	5.76	0.07	29.76	16.89	3.70
850	20.86	41.59	17.12	21.45	5.33	0.08	29.76	17.72	3.53
900	20.98	41.51	18.80	22.72	5.26	0.09	29.69	17.50	3.29
940	21.11	40.46	20.08	22.81	4.62	0.11	29.60	16.97	3.36
1000	21.23	40.96	21.96	22.40	4.84	0.11	29.54	17.36	3.43
1050	21.27	41.06	22.89	21.51	4.88	0.11	29.47	17.32	3.47
1100	21.37	40.60	23.77	20.60	4.58	0.12	29.38	16.68	3.39
1150	21.43	40.33	24.12	19.47	4.40	0.12	29.35	16.87	3.30
1200	21.49	40.23	23.87	18.51	4.31	0.12	29.26	17.03	3.38
1250	21.53	40.17	23.77	17.72	4.25	0.12	29.26	16.51	3.36
1300	21.60	39.69	23.29	16.98	3.98	0.13	29.15	16.81	3.26
1350	21.60	39.55	23.18	16.22	3.91	0.13	29.12	17.11	3.30
1400	21.63	40.12	23.10	15.49	4.13	0.13	29.12	16.76	3.24
1450	21.67	39.56	22.94	14.99	3.85	0.13	29.12	16.52	3.52
1500	21.68	39.24	23.24	14.49	3.70	0.14	29.07	16.69	3.39
1550	21.70	38.78	23.33	13.97	3.49	0.15	29.09	16.53	3.40
1600	21.71	39.45	23.71	13.44	3.74	0.14	29.01	16.16	3.36
1650	21.65	38.49	24.47	13.13	3.37	0.15	28.87	16.18	3.23
1700	21.67	38.73	24.95	12.75	3.44	0.15	28.72	16.44	3.39
1750	21.61	39.27	25.57	12.46	3.66	0.14	28.68	16.27	3.35
1800	21.56	39.15	26.27	12.11	3.62	0.14	28.62	16.28	3.36
1850	21.51	38.78	27.12	11.82	3.48	0.15	28.49	16.34	3.39
1900	21.44	38.96	27.16	11.62	3.57	0.14	28.51	16.40	3.38
1950	21.33	38.49	26.47	11.35	3.41	0.15	28.44	16.17	3.40
2000	21.24	38.94	25.53	11.20	3.62	0.14	28.44	16.18	3.42
2050	21.15	38.57	24.01	11.01	3.49	0.15	28.42	16.50	3.29
2100	20.98	38.32	22.58	10.85	3.45	0.15	28.40	16.50	3.48
2150	20.83	38.69	21.30	10.73	3.63	0.15	28.35	15.99	3.54
2200	20.63	38.48	19.81	10.53	3.61	0.15	28.27	16.10	3.45
2250	20.48	38.44	18.76	10.41	3.63	0.15	28.28	16.55	3.34
2300	20.28	38.17	17.69	10.34	3.58	0.15	28.30	16.01	3.58
2350	20.12	38.79	16.75	10.23	3.89	0.15	28.30	15.53	3.76
2400	19.89	37.69	15.77	10.11	3.50	0.16	28.31	16.38	3.63
2500	19.40	38.53	14.19	10.00	4.00	0.15	28.32	15.88	3.51

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: I = 75mA, Vd = 2.8V @Temperature = +85degC

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP3 Output	1dB Comp. Output	Noise Figure
					K	Delta			
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Delta	(dBm)	(dBm)	(dB)
500	17.03	45.65	7.41	9.27	9.60	0.11	25.92	14.23	3.61
550	17.76	46.12	8.37	10.83	10.17	0.07	26.09	15.10	3.70
600	18.29	42.53	9.34	12.49	6.74	0.02	26.17	13.73	3.92
650	18.70	43.30	10.54	14.12	7.42	0.02	26.12	14.26	3.70
700	18.99	42.92	11.71	15.52	7.12	0.04	26.10	15.29	3.47
750	19.23	41.56	12.87	16.69	6.09	0.06	26.10	14.60	3.61
800	19.37	40.65	14.16	17.61	5.50	0.08	26.00	13.89	3.74
850	19.54	40.51	15.33	18.00	5.38	0.09	26.02	15.04	3.61
900	19.62	40.91	16.49	17.92	5.62	0.09	26.03	14.90	3.34
940	19.72	39.84	17.49	17.74	4.95	0.10	25.94	14.16	3.38
1000	19.79	40.53	18.83	17.19	5.32	0.10	25.97	14.76	3.46
1050	19.81	39.51	19.77	16.70	4.74	0.11	25.88	15.00	3.53
1100	19.88	39.68	20.73	16.14	4.79	0.11	25.92	14.24	3.43
1150	19.91	39.76	21.57	15.55	4.81	0.11	25.90	14.39	3.31
1200	19.96	39.49	22.20	15.02	4.62	0.12	25.99	14.84	3.41
1250	19.97	38.95	22.94	14.60	4.34	0.13	25.95	14.45	3.43
1300	20.03	38.68	23.32	14.14	4.17	0.13	25.92	14.53	3.29
1350	20.02	38.65	23.94	13.64	4.14	0.13	25.96	14.99	3.32
1400	20.03	38.72	24.46	13.12	4.15	0.13	26.06	14.90	3.27
1450	20.06	38.89	24.73	12.83	4.20	0.13	26.20	14.53	3.57
1500	20.04	38.62	25.44	12.51	4.07	0.13	26.21	14.69	3.43
1550	20.05	38.27	26.11	12.14	3.89	0.13	26.40	14.69	3.43
1600	20.04	38.48	26.54	11.78	3.96	0.13	26.44	14.40	3.37
1650	20.01	37.86	27.59	11.56	3.70	0.14	26.41	14.33	3.30
1700	20.02	37.88	27.75	11.24	3.68	0.14	26.19	14.56	3.46
1750	19.95	37.46	28.26	11.00	3.53	0.14	26.21	14.66	3.37
1800	19.91	37.50	27.96	10.74	3.54	0.14	26.11	14.52	3.38
1850	19.88	38.20	27.68	10.52	3.82	0.13	26.06	14.48	3.46
1900	19.83	37.10	26.67	10.34	3.38	0.15	26.10	14.73	3.48
1950	19.73	37.19	25.23	10.10	3.44	0.15	26.11	14.56	3.43
2000	19.66	37.31	24.08	9.94	3.49	0.14	26.11	14.40	3.44
2050	19.61	36.34	22.59	9.84	3.15	0.16	26.10	14.79	3.33
2100	19.49	36.54	21.47	9.67	3.24	0.16	26.13	14.95	3.55
2150	19.35	36.80	20.31	9.47	3.36	0.15	26.07	14.29	3.59
2200	19.18	36.84	18.96	9.35	3.42	0.15	26.04	14.39	3.47
2250	19.07	37.45	18.09	9.19	3.67	0.15	26.05	14.93	3.39
2300	18.92	36.73	17.14	9.11	3.43	0.16	26.13	14.44	3.63
2350	18.77	36.11	16.27	8.98	3.23	0.17	26.06	13.74	3.80
2400	18.61	36.62	15.35	8.84	3.45	0.16	26.11	14.78	3.67
2500	18.17	36.40	13.89	8.71	3.48	0.17	26.09	14.17	3.59

Typical Performance Data

Definitions:

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

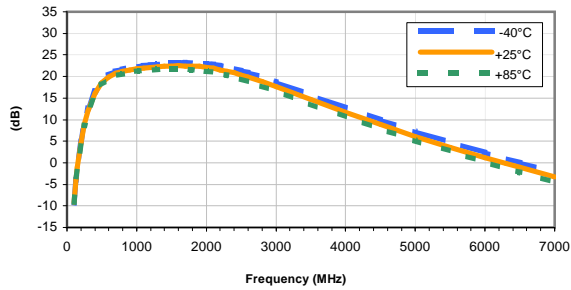
TEST CONDITIONS: I = 80mA, Vd = 5V @Temperature = +85degC

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP3 Output	1dB Comp. Output	Noise Figure
					K	Delta			
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Delta	(dBm)	(dBm)	(dB)
500	18.50	45.77	7.80	8.86	8.26	0.11	31.47	18.63	3.54
550	19.32	44.19	8.87	10.49	6.86	0.05	32.01	19.64	3.67
600	19.96	42.83	10.05	12.18	5.85	0.01	32.05	18.34	3.88
650	20.45	43.10	11.41	13.91	6.02	0.02	31.92	18.55	3.63
700	20.83	41.66	12.96	15.83	5.10	0.05	31.89	19.67	3.41
750	21.11	43.50	14.54	17.91	6.27	0.05	31.95	18.95	3.59
800	21.35	42.78	16.38	20.27	5.73	0.07	31.74	18.19	3.72
850	21.60	42.50	18.27	22.83	5.47	0.08	31.61	19.03	3.54
900	21.74	41.31	20.36	25.91	4.76	0.10	31.58	18.69	3.29
940	21.88	42.11	21.93	28.56	5.14	0.10	31.56	18.13	3.39
1000	22.04	41.90	23.91	31.23	4.95	0.10	31.44	18.53	3.45
1050	22.12	41.38	24.67	29.40	4.63	0.11	31.40	18.37	3.46
1100	22.23	40.71	24.63	27.01	4.24	0.12	31.25	17.71	3.37
1150	22.30	41.14	24.01	24.67	4.40	0.12	31.23	17.97	3.32
1200	22.39	40.27	23.10	22.63	3.94	0.13	31.03	17.96	3.39
1250	22.42	40.14	22.49	21.23	3.86	0.13	30.97	17.45	3.36
1300	22.52	40.33	21.54	20.03	3.89	0.13	30.83	17.82	3.25
1350	22.56	39.90	21.28	18.90	3.68	0.14	30.78	18.05	3.35
1400	22.60	39.68	20.99	17.78	3.55	0.14	30.71	17.61	3.27
1450	22.65	40.25	20.78	17.06	3.75	0.13	30.63	17.48	3.49
1500	22.66	40.55	20.94	16.39	3.86	0.13	30.55	17.66	3.38
1550	22.68	40.22	21.00	15.69	3.71	0.14	30.50	17.45	3.43
1600	22.70	39.55	21.21	15.07	3.42	0.15	30.37	17.07	3.37
1650	22.64	40.28	21.63	14.70	3.73	0.13	30.17	17.20	3.23
1700	22.64	40.76	22.11	14.20	3.92	0.13	30.05	17.43	3.38
1750	22.57	39.43	22.54	13.82	3.40	0.15	30.03	17.15	3.38
1800	22.51	40.46	23.27	13.45	3.83	0.14	29.94	17.17	3.38
1850	22.45	40.06	24.00	13.13	3.67	0.14	29.85	17.35	3.38
1900	22.36	40.06	24.34	12.87	3.70	0.14	29.89	17.31	3.38
1950	22.23	39.83	24.15	12.67	3.65	0.15	29.77	17.08	3.42
2000	22.11	39.76	23.76	12.42	3.66	0.15	29.75	17.15	3.43
2050	21.99	40.78	22.74	12.27	4.15	0.13	29.72	17.48	3.27
2100	21.80	39.36	21.86	12.17	3.61	0.15	29.70	17.45	3.47
2150	21.61	39.96	20.48	12.01	3.92	0.14	29.69	17.01	3.56
2200	21.36	40.56	19.31	11.88	4.29	0.13	29.56	17.10	3.45
2250	21.19	39.90	18.35	11.79	4.05	0.14	29.65	17.57	3.33
2300	20.96	40.44	17.21	11.77	4.39	0.13	29.63	17.01	3.58
2350	20.74	39.30	16.32	11.66	3.94	0.15	29.70	16.64	3.76
2400	20.51	39.25	15.43	11.52	3.99	0.15	29.64	17.42	3.63
2500	19.93	40.02	13.85	11.53	4.58	0.14	29.65	16.92	3.51

Typical Performance Curves

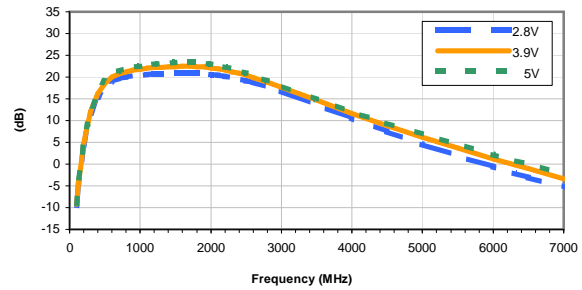
GAIN vs. TEMPERATURE

INPUT POWER = -25, VOLTAGE = 3.9V



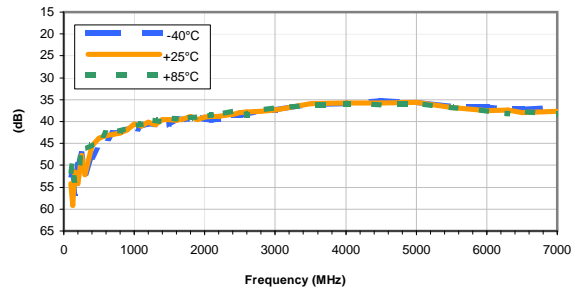
GAIN vs. VOLTAGE

INPUT POWER = -25, Temperature = +25°C



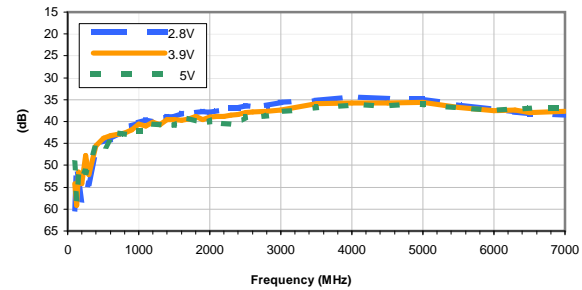
ISOLATION vs. TEMPERATURE

INPUT POWER = -25, VOLTAGE = 3.9V



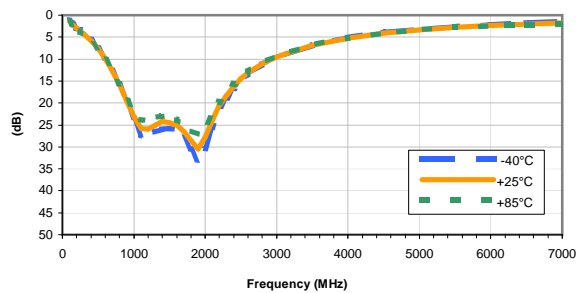
ISOLATION vs. VOLTAGE

INPUT POWER = -25, Temperature = +25°C



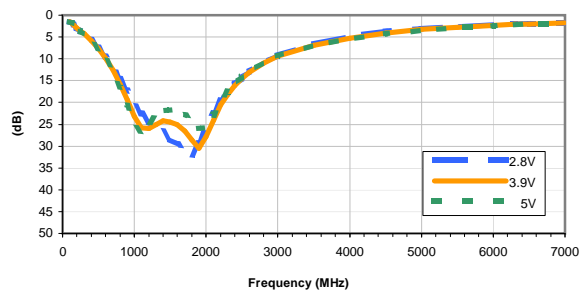
INPUT RETURN LOSS vs. TEMPERATURE

INPUT POWER = -25, VOLTAGE = 3.9V



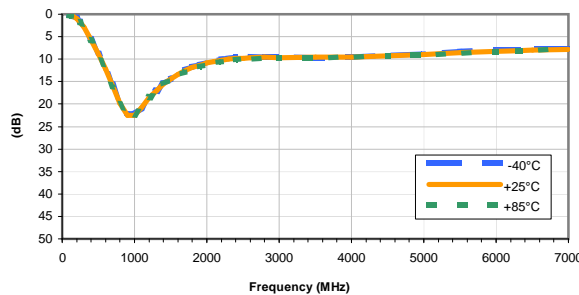
INPUT RETURN LOSS vs. VOLTAGE

INPUT POWER = -25, Temperature = +25°C



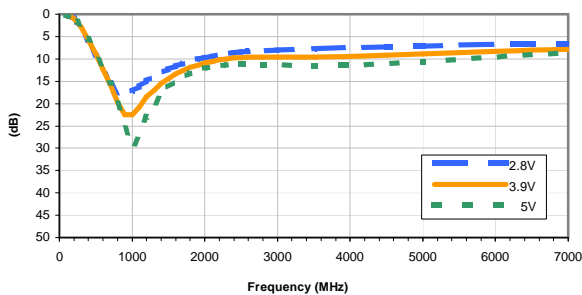
OUTPUT RETURN LOSS vs. TEMPERATURE

INPUT POWER = -25, VOLTAGE = 3.9V



OUTPUT RETURN LOSS vs. VOLTAGE

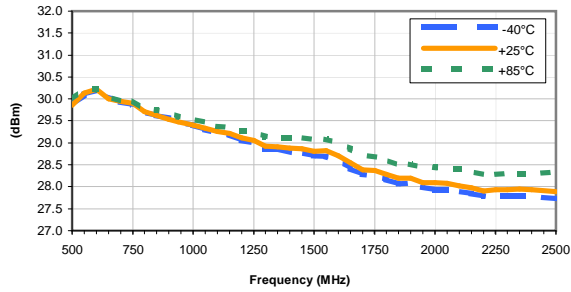
INPUT POWER = -25, Temperature = +25°C



Typical Performance Curves

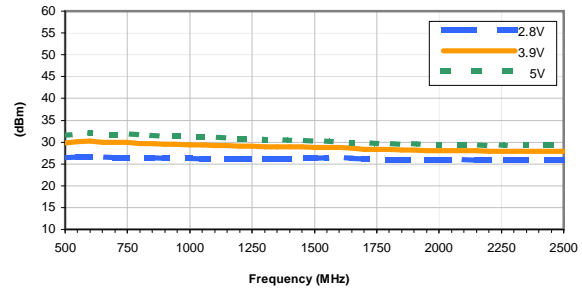
OUTPUT IP3 vs. TEMPERATURE

INPUT POWER = -25, VOLTAGE = 3.9V



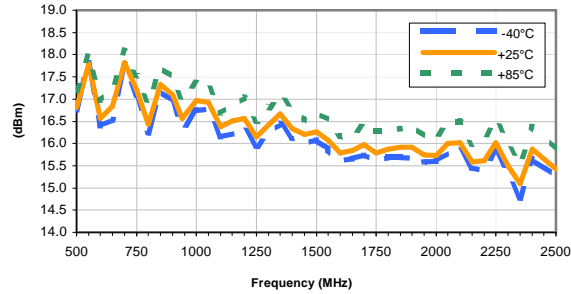
OUTPUT IP-3 vs. VOLTAGE

INPUT POWER = -25, Temperature = +25°C



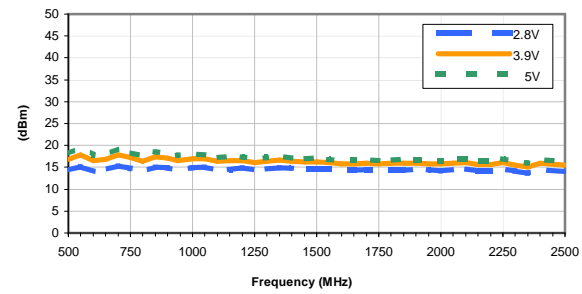
OUTPUT POWER at 1dB Compression vs. TEMPERATURE

VOLTAGE = 3.9V



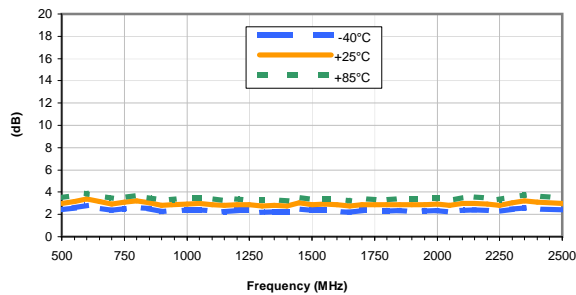
OUTPUT POWER at 1dB Compression vs. VOLTAGE

Temperature = +25°C



Noise Figure vs. TEMPERATURE

VOLTAGE = 3.9V



Noise Figure vs. VOLTAGE

Temperature = +25°C

