Typical Performance Data

NOTE: Use PDF Bookmarks to view DATA at required conditions

Definitions:

Input Return Loss = -S11 (dB)
Gain(Power Gain) = S21 (dB)
Reverse Isolation = -S12 (dB)
Output Return Loss = -S22 (dB)

TEST CONDITIONS: Vd = 4.00V, Id = 58.41mA @ Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
1200.0	18.61	42.33	18.85	3.76	4.43	0.58	29.33	17.34	0.51
1250.0	18.82	41.67	18.91	4.41	4.40	0.64	29.82	17.82	0.59
1300.0	19.03	41.03	18.64	5.19	4.35	0.70	30.43	17.79	0.58
1350.0	19.17	40.51	18.07	6.11	4.35	0.77	30.85	18.39	0.61
1400.0	19.23	40.03	17.53	7.21	4.37	0.82	31.10	18.07	0.60
1450.0	19.22	39.73	16.94	8.44	4.46	0.87	31.60	18.00	0.58
1500.0	19.18	39.45	16.43	9.86	4.53	0.92	31.62	17.94	0.64
1550.0	19.07	39.21	15.94	11.66	4.63	0.95	31.93	18.37	0.75
1600.0	18.76	39.12	15.65	14.35	4.90	0.99	31.99	17.64	0.72
1650.0	18.50	39.20	15.03	15.00	5.10	1.00	32.58	17.73	0.76
1700.0	18.61	38.57	14.71	16.77	4.73	1.01	32.11	17.54	0.80
1750.0	18.49	38.41	14.42	19.50	4.75	1.02	33.10	17.74	0.83
1800.0	18.30	38.30	14.31	22.19	4.82	1.02	33.25	17.77	0.83
1850.0	18.09	38.23	14.02	22.69	4.90	1.03	33.32	18.05	0.83
1900.0	17.84	38.09	13.84	20.12	4.94	1.02	33.24	18.18	0.88
1950.0	17.48	38.08	13.71	17.23	5.10	1.01	32.95	17.32	0.90
2000.0	16.84	38.65	13.46	16.08	5.81	1.01	32.52	17.63	0.93
2050.0	16.96	38.00	13.14	16.56	5.32	1.01	33.05	17.60	0.99
2100.0	16.95	37.70	12.98	14.55	5.08	1.00	32.88	17.44	1.00
2150.0	16.69	37.59	13.01	12.61	5.07	0.98	33.18	17.09	1.10
2200.0	16.28	37.62	12.80	10.90	5.18	0.95	32.21	16.95	1.09
2250.0	15.65	37.82	12.66	10.00	5.58	0.93	32.48	16.51	1.08
2300.0	15.69	37.28	12.42	10.49	5.27	0.94	32.61	16.54	1.13
2350.0	15.78	37.02	12.46	9.89	5.00	0.93	32.98	16.57	1.13
2400.0	15.61	36.94	12.52	9.02	4.94	0.90	32.92	16.27	1.21
2450.0	15.37	36.94	12.44	8.23	4.93	0.88	32.15	16.28	1.19
2500.0	15.08	36.97	12.47	7.57	4.98	0.85	31.50	16.22	1.25
2550.0	14.80	36.87	12.34	7.00	4.93	0.82	31.43	16.41	1.29
2600.0	14.54	36.77	12.36	6.49	4.87	0.80	31.06	16.30	1.32
2650.0	14.26	36.76	12.30	6.06	4.87	0.77	31.74	16.19	1.40
2700.0	13.98	36.59	12.25	5.60	4.76	0.74	31.87	15.64	1.42
2750.0	13.69	36.52	12.19	5.23	4.72	0.72	31.27	15.50	1.43
2800.0	13.39	36.57	12.16	4.91	4.74	0.70	31.14	15.50	1.47
2850.0	13.09	36.54	12.18	4.59	4.72	0.67	30.68	15.45	1.53
2900.0	12.80	36.50	12.11	4.32	4.69	0.65	30.61	15.12	1.55
2950.0	12.49	36.51	12.15	4.07	4.69	0.63	30.74	15.03	1.55
3000.0	12.18	36.76	12.18	3.87	4.85	0.61	31.44	15.04	1.53

Typical Performance Data

Definitions:
Input Return Loss = -S11 (dB)
Gain(Power Gain) = S21 (dB)
Reverse Isolation = -S12 (dB)
Output Return Loss = -S22 (dB)

TEST CONDITIONS: Vd = 3.50V, Id = 50.11mA @ Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
1200.0	18.46	41.38	17.58	3.88	4.09	0.60	28.37	16.30	0.54
1250.0	18.66	40.73	17.32	4.56	4.07	0.66	28.83	16.82	0.59
1300.0	18.85	40.10	16.96	5.37	4.02	0.72	29.47	16.75	0.57
1350.0	18.99	39.62	16.39	6.34	4.04	0.78	29.71	17.39	0.63
1400.0	19.03	39.13	15.88	7.48	4.05	0.84	30.11	17.08	0.59
1450.0	19.02	38.87	15.41	8.78	4.14	0.89	30.65	16.97	0.58
1500.0	18.96	38.60	15.00	10.30	4.22	0.93	30.76	16.94	0.65
1550.0	18.84	38.39	14.60	12.22	4.32	0.97	30.71	17.35	0.76
1600.0	18.52	38.32	14.38	15.12	4.58	1.00	31.05	16.63	0.75
1650.0	18.26	38.40	13.88	15.81	4.76	1.01	31.61	16.68	0.77
1700.0	18.36	37.83	13.61	17.93	4.45	1.02	31.36	16.51	0.82
1750.0	18.22	37.69	13.40	21.20	4.49	1.03	32.40	16.70	0.84
1800.0	18.03	37.60	13.33	24.20	4.57	1.03	32.70	16.73	0.84
1850.0	17.81	37.54	13.09	23.43	4.64	1.03	32.36	16.98	0.83
1900.0	17.56	37.45	12.95	19.82	4.70	1.03	32.08	17.12	0.89
1950.0	17.19	37.46	12.87	16.70	4.86	1.02	32.03	16.27	0.96
2000.0	16.55	38.02	12.67	15.34	5.52	1.01	31.62	16.61	0.98
2050.0	16.66	37.43	12.40	15.74	5.09	1.01	31.85	16.56	1.01
2100.0	16.64	37.20	12.27	13.97	4.91	1.00	31.51	16.42	1.01
2150.0	16.38	37.10	12.32	12.15	4.91	0.98	31.82	16.06	1.10
2200.0	15.96	37.21	12.16	10.53	5.05	0.95	30.76	15.94	1.12
2250.0	15.34	37.43	12.04	9.64	5.43	0.93	30.48	15.47	1.12
2300.0	15.37	36.91	11.84	10.02	5.15	0.94	31.11	15.51	1.16
2350.0	15.45	36.71	11.91	9.47	4.93	0.92	31.17	15.54	1.15
2400.0	15.26	36.67	11.98	8.66	4.89	0.90	30.72	15.26	1.23
2450.0	15.02	36.72	11.92	7.92	4.92	0.87	30.57	15.24	1.19
2500.0	14.72	36.80	11.98	7.30	4.99	0.84	29.62	15.20	1.28
2550.0	14.44	36.74	11.86	6.74	4.95	0.82	29.79	15.38	1.30
2600.0	14.18	36.67	11.89	6.25	4.91	0.79	29.98	15.26	1.33
2650.0	13.89	36.72	11.85	5.85	4.95	0.76	30.41	15.14	1.38
2700.0	13.61	36.59	11.82	5.40	4.85	0.73	30.62	14.60	1.45
2750.0	13.31	36.54	11.78	5.05	4.82	0.71	29.90	14.45	1.42
2800.0	13.02	36.68	11.77	4.74	4.90	0.69	30.08	14.40	1.47
2850.0	12.71	36.66	11.79	4.44	4.87	0.66	29.52	14.39	1.53
2900.0	12.41	36.68	11.73	4.18	4.88	0.64	29.50	14.04	1.55
2950.0	12.11	36.74	11.78	3.93	4.90	0.62	29.73	13.91	1.58
3000.0	11.79	36.99	11.81	3.74	5.06	0.60	30.59	13.96	1.59

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: Vd = 4.50V, Id = 66.65mA @ Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
1200.0	18.66	43.29	19.88	3.63	4.83	0.57	30.85	18.05	0.53
1250.0	18.88	42.60	20.21	4.26	4.78	0.63	31.44	18.51	0.59
1300.0	19.09	41.96	20.17	4.99	4.73	0.69	32.27	18.44	0.58
1350.0	19.25	41.41	19.62	5.87	4.72	0.75	32.81	18.95	0.60
1400.0	19.32	40.91	18.95	6.91	4.73	0.80	33.19	18.60	0.59
1450.0	19.33	40.62	18.29	8.07	4.83	0.86	33.99	18.51	0.60
1500.0	19.29	40.31	17.69	9.40	4.90	0.90	33.65	18.49	0.64
1550.0	19.19	40.05	17.07	11.08	5.00	0.94	33.86	18.99	0.75
1600.0	18.89	39.94	16.72	13.56	5.29	0.97	33.61	18.20	0.76
1650.0	18.64	40.01	15.99	14.15	5.50	0.98	34.53	18.32	0.76
1700.0	18.76	39.35	15.60	15.61	5.08	1.00	34.02	18.16	0.81
1750.0	18.64	39.15	15.25	17.92	5.09	1.01	34.07	18.43	0.84
1800.0	18.46	39.02	15.09	20.30	5.15	1.02	34.75	18.51	0.83
1850.0	18.27	38.89	14.74	21.54	5.20	1.02	34.19	18.80	0.82
1900.0	18.02	38.76	14.52	20.22	5.25	1.02	33.76	18.98	0.86
1950.0	17.67	38.71	14.34	17.82	5.40	1.01	33.39	18.13	0.94
2000.0	17.01	39.29	14.05	17.00	6.18	1.01	33.08	18.47	0.99
2050.0	17.15	38.52	13.69	17.60	5.58	1.01	32.96	18.47	0.98
2100.0	17.15	38.19	13.49	15.29	5.30	1.00	32.73	18.32	0.99
2150.0	16.90	38.06	13.50	13.18	5.28	0.98	32.74	17.95	1.10
2200.0	16.50	38.03	13.27	11.35	5.36	0.95	32.17	17.84	1.13
2250.0	15.86	38.19	13.11	10.47	5.76	0.94	32.32	17.40	1.08
2300.0	15.90	37.57	12.83	11.06	5.40	0.95	32.47	17.46	1.16
2350.0	16.02	37.31	12.83	10.42	5.11	0.94	32.48	17.50	1.14
2400.0	15.85	37.21	12.87	9.47	5.03	0.91	32.15	17.18	1.21
2450.0	15.62	37.16	12.77	8.63	5.00	0.89	31.68	17.21	1.19
2500.0	15.33	37.11	12.80	7.93	5.01	0.86	31.17	17.18	1.25
2550.0	15.07	37.00	12.65	7.32	4.95	0.84	30.99	17.37	1.30
2600.0	14.81	36.85	12.65	6.78	4.87	0.81	30.78	17.26	1.33
2650.0	14.54	36.78	12.58	6.33	4.83	0.79	30.79	17.14	1.41
2700.0	14.26	36.57	12.51	5.85	4.70	0.76	31.16	16.59	1.45
2750.0	13.97	36.46	12.47	5.46	4.64	0.73	30.62	16.44	1.42
2800.0	13.68	36.48	12.42	5.12	4.65	0.71	30.70	16.41	1.47
2850.0	13.39	36.41	12.44	4.79	4.61	0.68	30.21	16.38	1.52
2900.0	13.09	36.36	12.35	4.51	4.58	0.66	30.25	16.04	1.54
2950.0	12.79	36.29	12.40	4.24	4.54	0.64	30.54	15.99	1.58
3000.0	12.48	36.42	12.43	4.03	4.63	0.62	31.35	15.96	1.55

Typical Performance Data

Definitions:
Input Return Loss = -S11 (dB)
Gain(Power Gain) = S21 (dB)
Reverse Isolation = -S12 (dB)
Output Return Loss = -S22 (dB)

TEST CONDITIONS: Vd = 4.00V, Id = 58.53mA @ Temperature = -45°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
1200.0	19.04	42.69	17.71	3.52	4.24	0.55	29.66	17.61	0.34
1250.0	19.27	42.07	18.74	4.16	4.26	0.62	29.76	18.10	0.37
1300.0	19.49	41.37	19.55	4.88	4.19	0.68	30.09	18.06	0.40
1350.0	19.64	40.82	19.88	5.74	4.19	0.73	30.42	18.68	0.43
1400.0	19.71	40.30	19.76	6.73	4.20	0.79	30.75	18.38	0.37
1450.0	19.73	40.01	19.35	7.82	4.29	0.84	30.70	18.28	0.37
1500.0	19.69	39.66	18.76	9.10	4.33	0.88	30.52	18.25	0.45
1550.0	19.60	39.49	18.18	10.66	4.47	0.92	30.76	18.61	0.53
1600.0	19.30	39.36	17.79	13.03	4.73	0.96	29.93	17.90	0.51
1650.0	19.08	39.41	16.99	13.58	4.89	0.97	30.63	17.97	0.52
1700.0	19.17	38.86	16.52	15.00	4.60	0.98	30.22	17.81	0.55
1750.0	19.08	38.69	16.13	17.05	4.60	1.00	30.13	17.94	0.58
1800.0	18.91	38.36	16.08	19.61	4.57	1.01	30.60	17.97	0.57
1850.0	18.72	38.30	15.70	21.37	4.65	1.01	30.27	18.24	0.54
1900.0	18.47	38.30	15.47	21.02	4.78	1.01	30.15	18.35	0.60
1950.0	18.14	38.33	15.33	18.82	4.96	1.00	29.57	17.48	0.63
2000.0	17.46	38.91	14.86	17.71	5.68	1.00	29.58	17.80	0.70
2050.0	17.65	38.03	14.46	18.48	5.04	1.01	29.64	17.78	0.67
2100.0	17.63	37.91	14.44	15.87	4.92	0.99	29.14	17.64	0.65
2150.0	17.37	37.80	14.37	13.54	4.92	0.97	29.20	17.26	0.70
2200.0	16.98	37.86	14.09	11.59	5.04	0.95	28.68	17.16	0.78
2250.0	16.24	38.11	13.86	10.42	5.51	0.93	28.45	16.68	0.73
2300.0	16.30	37.39	13.48	11.38	5.12	0.95	28.61	16.67	0.77
2350.0	16.50	37.23	13.52	10.83	4.87	0.94	28.49	16.76	0.75
2400.0	16.34	37.15	13.47	9.79	4.80	0.91	28.17	16.44	0.83
2450.0	16.10	37.15	13.30	8.90	4.81	0.89	28.10	16.45	0.82
2500.0	15.82	37.17	13.23	8.13	4.84	0.86	27.60	16.44	0.84
2550.0	15.56	37.00	12.96	7.53	4.75	0.84	27.83	16.61	0.89
2600.0	15.30	37.10	12.97	7.00	4.81	0.82	27.74	16.47	0.94
2650.0	15.04	37.02	12.86	6.49	4.77	0.79	27.27	16.37	0.98
2700.0	14.76	36.91	12.76	5.99	4.69	0.76	27.60	15.84	1.01
2750.0	14.47	36.92	12.64	5.59	4.69	0.74	27.13	15.71	0.95
2800.0	14.18	37.02	12.54	5.25	4.75	0.72	27.95	15.70	1.01
2850.0	13.89	36.96	12.50	4.89	4.70	0.69	26.99	15.65	1.06
2900.0	13.60	37.08	12.43	4.60	4.76	0.67	26.81	15.30	1.06
2950.0	13.31	36.84	12.48	4.30	4.61	0.64	27.14	15.21	1.06
3000.0	13.02	36.91	12.46	4.04	4.63	0.62	28.06	15.28	1.06

Typical Performance Data

Definitions:
Input Return Loss = -S11 (dB)
Gain(Power Gain) = S21 (dB)
Reverse Isolation = -S12 (dB)
Output Return Loss = -S22 (dB)

TEST CONDITIONS: Vd = 3.50V, Id = 49.27mA @ Temperature = -45°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
1200.0	18.82	41.70	17.41	3.66	3.95	0.57	27.75	16.27	0.38
1250.0	19.04	41.06	17.90	4.32	3.95	0.63	28.00	16.81	0.40
1300.0	19.25	40.40	18.15	5.09	3.91	0.70	28.56	16.75	0.40
1350.0	19.39	39.86	18.03	6.00	3.91	0.76	28.75	17.38	0.43
1400.0	19.45	39.38	17.67	7.04	3.93	0.81	29.38	17.09	0.39
1450.0	19.44	39.09	17.16	8.20	4.01	0.86	29.56	16.98	0.38
1500.0	19.40	38.79	16.60	9.58	4.07	0.91	29.64	16.94	0.43
1550.0	19.29	38.62	16.15	11.26	4.20	0.94	29.71	17.36	0.52
1600.0	18.98	38.50	15.83	13.82	4.44	0.98	29.50	16.65	0.51
1650.0	18.75	38.57	15.21	14.45	4.60	0.99	30.39	16.70	0.50
1700.0	18.83	38.04	14.85	16.14	4.33	1.00	29.83	16.56	0.55
1750.0	18.72	37.91	14.55	18.59	4.36	1.01	30.37	16.75	0.52
1800.0	18.54	37.61	14.52	21.58	4.35	1.02	31.05	16.77	0.55
1850.0	18.35	37.58	14.23	22.91	4.43	1.02	30.62	17.05	0.55
1900.0	18.09	37.57	14.10	21.04	4.55	1.02	30.40	17.14	0.61
1950.0	17.75	37.63	14.02	18.11	4.73	1.01	30.27	16.33	0.62
2000.0	17.07	38.23	13.66	16.57	5.42	1.01	29.70	16.62	0.65
2050.0	17.25	37.43	13.32	17.19	4.85	1.01	30.12	16.60	0.67
2100.0	17.22	37.31	13.30	14.98	4.75	1.00	29.83	16.47	0.66
2150.0	16.95	37.23	13.30	12.85	4.76	0.97	29.86	16.10	0.70
2200.0	16.55	37.35	13.08	11.05	4.90	0.95	29.16	15.99	0.77
2250.0	15.82	37.63	12.91	9.90	5.36	0.93	28.89	15.50	0.70
2300.0	15.88	36.95	12.58	10.68	5.00	0.95	29.15	15.49	0.79
2350.0	16.05	36.82	12.63	10.19	4.79	0.93	29.44	15.60	0.77
2400.0	15.88	36.75	12.63	9.24	4.73	0.91	28.99	15.29	0.82
2450.0	15.63	36.80	12.52	8.42	4.76	0.88	28.94	15.27	0.82
2500.0	15.34	36.85	12.48	7.71	4.80	0.85	28.30	15.24	0.86
2550.0	15.08	36.71	12.27	7.14	4.73	0.83	28.59	15.40	0.86
2600.0	14.81	36.85	12.31	6.64	4.81	0.81	28.35	15.26	0.91
2650.0	14.54	36.82	12.24	6.16	4.79	0.78	28.31	15.13	0.98
2700.0	14.26	36.76	12.18	5.69	4.74	0.75	28.56	14.58	0.99
2750.0	13.96	36.80	12.09	5.31	4.76	0.73	27.93	14.49	0.95
2800.0	13.67	36.97	12.04	4.99	4.85	0.70	28.06	14.48	1.02
2850.0	13.38	36.91	12.01	4.65	4.80	0.68	27.67	14.40	1.05
2900.0	13.08	37.08	11.98	4.37	4.88	0.65	27.46	14.04	1.08
2950.0	12.78	36.90	12.05	4.09	4.76	0.63	27.87	13.96	1.05
3000.0	12.50	37.00	12.04	3.84	4.79	0.60	28.83	14.02	1.04

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: Vd = 4.50V, Id = 68.00mA @ Temperature = -45°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
1200.0	19.05	43.75	18.11	3.39	4.67	0.54	32.45	18.40	0.37
1250.0	19.28	43.11	19.35	3.99	4.68	0.60	31.69	18.87	0.39
1300.0	19.51	42.41	20.51	4.68	4.61	0.66	31.63	18.84	0.38
1350.0	19.67	41.82	21.24	5.49	4.60	0.72	31.91	19.37	0.40
1400.0	19.76	41.28	21.39	6.42	4.59	0.77	31.51	19.07	0.38
1450.0	19.78	41.00	20.93	7.44	4.70	0.82	31.08	18.98	0.37
1500.0	19.76	40.66	20.29	8.63	4.76	0.87	30.63	18.97	0.44
1550.0	19.68	40.45	19.57	10.07	4.89	0.91	31.45	19.37	0.54
1600.0	19.39	40.28	19.10	12.26	5.17	0.95	29.98	18.63	0.51
1650.0	19.16	40.35	18.17	12.76	5.36	0.96	30.10	18.75	0.52
1700.0	19.27	39.73	17.62	13.94	4.99	0.97	29.81	18.56	0.56
1750.0	19.19	39.52	17.09	15.69	4.98	0.99	29.88	18.75	0.56
1800.0	19.03	39.18	17.01	17.88	4.94	1.00	30.13	18.76	0.57
1850.0	18.85	39.09	16.53	19.65	5.01	1.00	30.22	19.05	0.54
1900.0	18.61	39.04	16.25	20.33	5.13	1.01	30.19	19.15	0.61
1950.0	18.28	39.06	16.08	19.19	5.32	1.00	29.28	18.24	0.63
2000.0	17.59	39.62	15.57	18.95	6.12	1.01	29.66	18.61	0.66
2050.0	17.79	38.61	15.10	19.80	5.33	1.01	29.61	18.55	0.70
2100.0	17.80	38.49	15.01	16.70	5.20	1.00	29.15	18.40	0.65
2150.0	17.54	38.35	14.95	14.21	5.18	0.98	28.96	18.02	0.79
2200.0	17.16	38.32	14.62	12.12	5.27	0.96	28.54	17.88	0.80
2250.0	16.40	38.55	14.39	10.96	5.77	0.94	28.36	17.43	0.73
2300.0	16.47	37.75	13.96	12.12	5.31	0.96	28.25	17.45	0.78
2350.0	16.70	37.59	13.96	11.51	5.04	0.95	28.11	17.50	0.78
2400.0	16.55	37.46	13.87	10.35	4.94	0.93	27.74	17.18	0.84
2450.0	16.32	37.41	13.67	9.39	4.92	0.90	27.87	17.19	0.81
2500.0	16.04	37.37	13.60	8.56	4.91	0.88	27.50	17.17	0.85
2550.0	15.80	37.15	13.31	7.92	4.80	0.86	27.94	17.33	0.89
2600.0	15.54	37.22	13.31	7.36	4.85	0.83	27.83	17.17	0.93
2650.0	15.28	37.09	13.18	6.83	4.78	0.81	27.45	17.07	1.01
2700.0	15.02	36.92	13.06	6.29	4.67	0.78	27.12	16.53	1.03
2750.0	14.73	36.90	12.95	5.87	4.66	0.76	26.71	16.35	0.97
2800.0	14.44	36.94	12.85	5.51	4.69	0.73	26.88	16.36	0.99
2850.0	14.16	36.85	12.78	5.14	4.63	0.71	27.26	16.31	1.05
2900.0	13.87	36.92	12.73	4.82	4.67	0.68	26.55	15.96	1.06
2950.0	13.58	36.63	12.78	4.51	4.50	0.66	27.10	15.87	1.08
3000.0	13.30	36.62	12.76	4.23	4.47	0.63	28.10	15.92	1.05

Typical Performance Data

Definitions:
Input Return Loss = -S11 (dB)
Gain(Power Gain) = S21 (dB)
Reverse Isolation = -S12 (dB)
Output Return Loss = -S22 (dB)

TEST CONDITIONS: Vd = 4.00V, Id = 58.92mA @ Temperature = +85°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
1200.0	18.17	42.61	17.88	3.88	4.87	0.60	27.82	17.10	0.71
1250.0	18.38	41.95	17.46	4.51	4.79	0.66	28.38	17.52	0.75
1300.0	18.60	41.31	16.96	5.29	4.71	0.72	28.59	17.47	0.78
1350.0	18.74	40.78	16.35	6.26	4.71	0.78	29.11	18.03	0.80
1400.0	18.80	40.33	15.81	7.38	4.73	0.84	29.30	17.70	0.78
1450.0	18.79	40.03	15.35	8.64	4.82	0.89	29.52	17.63	0.77
1500.0	18.74	39.71	14.94	10.12	4.88	0.93	29.10	17.64	0.85
1550.0	18.63	39.50	14.54	11.95	4.99	0.97	30.38	18.07	0.94
1600.0	18.37	39.38	14.34	14.64	5.24	1.00	29.63	17.32	0.96
1650.0	18.04	39.59	13.86	15.74	5.59	1.01	29.76	17.47	0.98
1700.0	18.14	38.97	13.57	17.20	5.17	1.02	29.30	17.29	1.03
1750.0	18.03	38.81	13.31	19.65	5.18	1.03	30.05	17.49	1.07
1800.0	17.85	38.63	13.20	21.97	5.21	1.03	30.25	17.56	1.07
1850.0	17.64	38.44	12.98	21.78	5.22	1.04	30.98	17.83	1.06
1900.0	17.39	38.35	12.83	19.50	5.29	1.03	31.62	17.98	1.12
1950.0	17.05	38.41	12.74	16.95	5.49	1.02	30.91	17.12	1.20
2000.0	16.46	38.82	12.56	15.13	6.08	1.01	31.49	17.55	1.24
2050.0	16.30	38.40	12.17	15.96	5.91	1.02	31.34	17.34	1.26
2100.0	16.47	37.89	12.06	14.75	5.42	1.01	31.70	17.20	1.25
2150.0	16.25	37.73	12.14	12.65	5.36	0.99	31.64	16.87	1.40
2200.0	15.85	37.75	11.97	11.01	5.48	0.96	31.66	16.73	1.39
2250.0	15.28	38.02	11.90	10.10	5.90	0.94	31.33	16.39	1.39
2300.0	15.23	37.33	11.68	10.29	5.50	0.95	31.31	16.45	1.45
2350.0	15.31	37.14	11.69	9.79	5.27	0.94	31.62	16.44	1.48
2400.0	15.15	37.06	11.76	8.95	5.20	0.91	31.73	16.12	1.54
2450.0	14.90	37.05	11.73	8.20	5.21	0.88	32.80	16.15	1.56
2500.0	14.62	36.95	11.74	7.51	5.16	0.86	33.37	16.09	1.60
2550.0	14.35	36.84	11.60	6.95	5.09	0.83	33.95	16.28	1.66
2600.0	14.05	36.84	11.69	6.47	5.13	0.80	34.68	16.17	1.70
2650.0	13.79	36.65	11.67	6.02	5.01	0.78	35.40	16.08	1.80
2700.0	13.51	36.49	11.63	5.57	4.90	0.75	36.85	15.49	1.83
2750.0	13.20	36.42	11.63	5.21	4.87	0.73	37.65	15.40	1.83
2800.0	12.90	36.53	11.65	4.90	4.94	0.70	37.23	15.35	1.86
2850.0	12.61	36.30	11.66	4.58	4.79	0.68	36.86	15.31	1.96
2900.0	12.31	36.33	11.63	4.32	4.81	0.65	37.22	15.05	1.98
2950.0	12.00	36.09	11.67	4.05	4.67	0.63	36.58	14.98	1.99
3000.0	11.70	35.97	11.68	3.83	4.60	0.61	35.97	14.91	2.01

Typical Performance Data

Definitions:
Input Return Loss = -S11 (dB)
Gain(Power Gain) = S21 (dB)
Reverse Isolation = -S12 (dB)
Output Return Loss = -S22 (dB)

TEST CONDITIONS: Vd = 3.50V, Id = 50.49mA @ Temperature = +85°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
1200.0	18.00	41.76	16.41	3.98	4.54	0.61	27.99	16.24	0.73
1250.0	18.20	41.14	15.92	4.64	4.48	0.67	28.72	16.67	0.76
1300.0	18.41	40.51	15.47	5.45	4.41	0.74	29.27	16.62	0.75
1350.0	18.54	39.99	14.94	6.46	4.42	0.80	29.60	17.24	0.81
1400.0	18.59	39.55	14.49	7.63	4.44	0.86	30.13	16.93	0.80
1450.0	18.57	39.26	14.10	8.95	4.53	0.91	30.62	16.84	0.78
1500.0	18.51	38.99	13.76	10.51	4.60	0.95	30.80	16.83	0.84
1550.0	18.39	38.79	13.43	12.46	4.71	0.99	31.06	17.19	0.95
1600.0	18.12	38.70	13.29	15.35	4.96	1.01	31.78	16.51	0.96
1650.0	17.79	38.89	12.88	16.53	5.28	1.03	31.91	16.61	0.99
1700.0	17.88	38.32	12.66	18.28	4.92	1.03	31.87	16.42	1.03
1750.0	17.77	38.20	12.43	21.09	4.94	1.04	32.26	16.60	1.04
1800.0	17.57	38.06	12.36	23.36	4.99	1.05	32.82	16.65	1.08
1850.0	17.36	37.89	12.19	22.10	5.01	1.04	33.24	16.92	1.16
1900.0	17.09	37.83	12.08	19.17	5.10	1.04	33.60	17.06	1.15
1950.0	16.76	37.91	12.01	16.48	5.30	1.03	35.20	16.23	1.20
2000.0	16.16	38.33	11.86	14.59	5.87	1.02	34.24	16.65	1.25
2050.0	16.00	37.99	11.51	15.23	5.75	1.02	34.12	16.44	1.26
2100.0	16.16	37.53	11.44	14.17	5.32	1.01	35.65	16.33	1.26
2150.0	15.94	37.37	11.53	12.21	5.26	0.99	36.57	16.00	1.40
2200.0	15.53	37.45	11.40	10.66	5.40	0.96	35.28	15.84	1.41
2250.0	14.96	37.76	11.32	9.76	5.84	0.94	35.77	15.47	1.40
2300.0	14.90	37.12	11.15	9.89	5.47	0.95	36.17	15.51	1.47
2350.0	14.98	36.95	11.18	9.41	5.26	0.93	38.22	15.50	1.49
2400.0	14.80	36.90	11.26	8.62	5.22	0.91	37.08	15.21	1.56
2450.0	14.55	36.95	11.24	7.91	5.25	0.88	35.02	15.20	1.57
2500.0	14.27	36.89	11.27	7.25	5.23	0.85	32.73	15.14	1.60
2550.0	13.99	36.81	11.16	6.71	5.18	0.82	33.94	15.34	1.65
2600.0	13.69	36.85	11.27	6.25	5.24	0.80	33.40	15.22	1.70
2650.0	13.42	36.72	11.24	5.82	5.16	0.77	33.91	15.10	1.80
2700.0	13.14	36.60	11.23	5.39	5.06	0.74	33.77	14.53	1.87
2750.0	12.83	36.55	11.24	5.04	5.04	0.72	32.96	14.40	1.83
2800.0	12.52	36.71	11.25	4.75	5.14	0.69	32.73	14.33	1.90
2850.0	12.23	36.49	11.27	4.43	5.00	0.67	31.84	14.32	1.95
2900.0	11.93	36.58	11.26	4.18	5.04	0.65	32.17	14.04	1.98
2950.0	11.62	36.36	11.30	3.93	4.91	0.62	32.02	13.96	2.01
3000.0	11.32	36.26	11.29	3.71	4.84	0.60	32.54	13.89	2.02

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: Vd = 4.50V, Id = 67.13mA @ Temperature = +85°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
1200.0	18.21	43.68	19.25	3.75	5.39	0.58	29.19	17.64	0.73
1250.0	18.43	43.03	18.88	4.34	5.30	0.64	29.76	18.01	0.77
1300.0	18.66	42.34	18.38	5.09	5.19	0.70	30.02	17.95	0.76
1350.0	18.81	41.79	17.69	6.00	5.18	0.76	30.81	18.43	0.79
1400.0	18.88	41.32	17.06	7.05	5.20	0.82	30.84	18.09	0.80
1450.0	18.89	41.02	16.47	8.24	5.30	0.87	31.31	18.00	0.78
1500.0	18.85	40.68	15.97	9.61	5.35	0.91	30.86	18.00	0.84
1550.0	18.75	40.41	15.51	11.29	5.45	0.95	31.89	18.48	0.95
1600.0	18.49	40.32	15.24	13.75	5.74	0.99	31.25	17.69	0.95
1650.0	18.16	40.48	14.70	14.74	6.10	1.00	31.47	17.86	0.99
1700.0	18.28	39.81	14.35	15.90	5.61	1.01	31.26	17.70	1.04
1750.0	18.18	39.61	14.02	17.94	5.59	1.02	32.31	17.97	1.06
1800.0	18.01	39.41	13.89	20.08	5.61	1.03	32.50	18.06	1.06
1850.0	17.81	39.16	13.63	20.81	5.58	1.03	32.52	18.37	1.08
1900.0	17.56	39.02	13.44	19.63	5.63	1.03	33.11	18.56	1.13
1950.0	17.24	39.06	13.31	17.52	5.83	1.02	32.20	17.73	1.20
2000.0	16.64	39.45	13.12	15.93	6.47	1.01	32.35	18.21	1.22
2050.0	16.47	38.93	12.67	17.09	6.22	1.02	32.23	18.02	1.27
2100.0	16.67	38.35	12.53	15.62	5.65	1.01	32.34	17.89	1.27
2150.0	16.46	38.15	12.58	13.30	5.56	0.99	32.53	17.57	1.40
2200.0	16.07	38.12	12.40	11.55	5.66	0.97	31.90	17.46	1.40
2250.0	15.49	38.37	12.31	10.64	6.10	0.95	31.81	17.09	1.38
2300.0	15.44	37.61	12.06	10.91	5.64	0.96	31.92	17.17	1.48
2350.0	15.55	37.40	12.05	10.38	5.38	0.95	32.04	17.18	1.46
2400.0	15.40	37.25	12.09	9.46	5.27	0.92	32.12	16.88	1.58
2450.0	15.16	37.20	12.04	8.64	5.25	0.90	32.38	16.90	1.55
2500.0	14.89	37.04	12.05	7.90	5.16	0.87	31.85	16.82	1.59
2550.0	14.63	36.89	11.90	7.31	5.08	0.85	32.11	17.05	1.65
2600.0	14.33	36.85	11.98	6.80	5.09	0.82	32.10	16.93	1.70
2650.0	14.07	36.60	11.95	6.32	4.95	0.79	32.64	16.84	1.78
2700.0	13.80	36.40	11.92	5.85	4.82	0.77	33.21	16.24	1.85
2750.0	13.50	36.31	11.91	5.47	4.77	0.74	32.84	16.13	1.84
2800.0	13.20	36.34	11.91	5.14	4.80	0.72	32.56	16.09	1.89
2850.0	12.92	36.10	11.93	4.80	4.66	0.69	32.42	16.04	1.95
2900.0	12.62	36.07	11.89	4.52	4.64	0.67	32.64	15.82	1.97
2950.0	12.32	35.78	11.93	4.24	4.48	0.65	32.67	15.75	1.99
3000.0	12.02	35.62	11.93	4.00	4.39	0.62	33.75	15.65	1.99

Typical Performance Data

NOTE: Use PDF Bookmarks to view DATA at required conditions

Definitions:

Input Return Loss = -S11 (dB)
Gain(Power Gain) = S21 (dB)
Reverse Isolation = -S12 (dB)
Output Return Loss = -S22 (dB)

TEST CONDITIONS: Vd = 3.00V, Is = 40.95mA @ Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
1200.0	18.17	40.35	15.79	4.00	3.78	0.61	27.33	14.79	0.56
1250.0	18.36	39.73	15.34	4.71	3.77	0.68	27.90	15.30	0.62
1300.0	18.54	39.13	14.93	5.56	3.74	0.75	28.21	15.26	0.62
1350.0	18.65	38.66	14.43	6.57	3.76	0.81	28.57	15.91	0.62
1400.0	18.68	38.21	14.00	7.77	3.78	0.87	29.07	15.64	0.63
1450.0	18.65	37.95	13.62	9.13	3.87	0.92	29.34	15.62	0.60
1500.0	18.59	37.70	13.30	10.75	3.95	0.96	29.00	15.58	0.68
1550.0	18.45	37.51	13.01	12.81	4.05	0.99	29.43	16.06	0.78
1600.0	18.13	37.48	12.85	15.94	4.31	1.02	28.69	15.36	0.76
1650.0	17.87	37.58	12.44	16.68	4.48	1.03	29.15	15.41	0.80
1700.0	17.94	37.04	12.26	19.27	4.22	1.04	28.88	15.26	0.84
1750.0	17.80	36.92	12.10	23.29	4.26	1.05	29.51	15.50	0.88
1800.0	17.59	36.85	12.06	26.34	4.34	1.05	29.74	15.52	0.86
1850.0	17.37	36.82	11.91	23.50	4.43	1.05	29.47	15.77	0.86
1900.0	17.11	36.76	11.82	19.26	4.50	1.04	29.40	15.90	0.93
1950.0	16.73	36.79	11.77	16.10	4.66	1.02	28.03	15.10	0.96
2000.0	16.10	37.35	11.60	14.64	5.28	1.02	28.31	15.37	1.01
2050.0	16.21	36.83	11.39	14.95	4.92	1.02	28.26	15.36	1.03
2100.0	16.17	36.65	11.33	13.37	4.77	1.00	27.93	15.23	1.01
2150.0	15.90	36.57	11.39	11.68	4.78	0.98	27.60	14.87	1.19
2200.0	15.48	36.73	11.27	10.16	4.95	0.95	26.87	14.75	1.16
2250.0	14.87	36.99	11.18	9.27	5.33	0.93	26.62	14.28	1.12
2300.0	14.89	36.54	11.02	9.58	5.09	0.94	26.68	14.30	1.22
2350.0	14.95	36.35	11.12	9.05	4.89	0.92	26.62	14.33	1.16
2400.0	14.76	36.35	11.20	8.30	4.88	0.89	26.09	14.04	1.24
2450.0	14.51	36.44	11.19	7.60	4.92	0.86	26.12	14.03	1.25
2500.0	14.20	36.60	11.26	7.01	5.04	0.84	25.52	13.98	1.28
2550.0	13.92	36.55	11.15	6.48	5.01	0.81	26.39	14.16	1.35
2600.0	13.65	36.54	11.21	6.01	5.00	0.78	26.83	14.03	1.38
2650.0	13.37	36.66	11.18	5.62	5.07	0.76	27.20	13.89	1.46
2700.0	13.08	36.57	11.19	5.20	5.00	0.73	27.29	13.37	1.49
2750.0	12.78	36.56	11.16	4.86	4.99	0.70	26.61	13.23	1.48
2800.0	12.48	36.77	11.16	4.57	5.10	0.68	26.81	13.19	1.54
2850.0	12.18	36.79	11.20	4.27	5.10	0.65	26.57	13.14	1.63
2900.0	11.87	36.86	11.14	4.03	5.13	0.63	26.41	12.79	1.62
2950.0	11.56	37.00	11.21	3.79	5.21	0.61	26.87	12.66	1.62
3000.0	11.25	37.32	11.23	3.61	5.42	0.59	27.86	12.70	1.62

Typical Performance Data

Definitions:
Input Return Loss = -S11 (dB)
Gain(Power Gain) = S21 (dB)
Reverse Isolation = -S12 (dB)
Output Return Loss = -S22 (dB)

TEST CONDITIONS: Vd = 2.70V, Is = 37.12mA @ Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
1200.0	17.96	39.63	14.58	4.09	3.58	0.63	26.24	13.70	0.54
1250.0	18.14	39.04	14.10	4.82	3.57	0.70	26.58	14.22	0.60
1300.0	18.31	38.44	13.69	5.69	3.54	0.76	26.79	14.20	0.59
1350.0	18.41	38.00	13.23	6.73	3.56	0.83	27.27	14.85	0.62
1400.0	18.43	37.56	12.85	7.96	3.59	0.89	27.35	14.62	0.62
1450.0	18.40	37.32	12.53	9.37	3.69	0.93	27.43	14.63	0.60
1500.0	18.32	37.08	12.29	11.05	3.76	0.98	26.92	14.61	0.68
1550.0	18.17	36.93	12.04	13.22	3.88	1.01	27.65	15.14	0.78
1600.0	17.84	36.89	11.93	16.51	4.12	1.03	26.47	14.44	0.75
1650.0	17.58	36.97	11.56	17.27	4.28	1.04	26.83	14.49	0.78
1700.0	17.65	36.49	11.41	20.25	4.05	1.05	26.55	14.38	0.86
1750.0	17.50	36.39	11.30	25.00	4.10	1.06	26.98	14.64	0.87
1800.0	17.29	36.31	11.28	27.68	4.18	1.06	27.04	14.64	0.87
1850.0	17.06	36.32	11.16	23.24	4.28	1.06	26.90	14.87	0.86
1900.0	16.80	36.27	11.09	18.83	4.36	1.05	26.82	15.05	0.94
1950.0	16.42	36.32	11.06	15.71	4.52	1.03	25.68	14.23	0.96
2000.0	15.79	36.87	10.93	14.21	5.11	1.02	25.95	14.52	1.00
2050.0	15.89	36.39	10.76	14.47	4.78	1.03	25.91	14.50	1.05
2100.0	15.84	36.25	10.70	13.00	4.66	1.01	25.59	14.39	1.03
2150.0	15.57	36.18	10.78	11.38	4.68	0.98	25.29	14.02	1.19
2200.0	15.15	36.37	10.67	9.92	4.86	0.95	24.69	13.91	1.17
2250.0	14.54	36.65	10.60	9.05	5.23	0.93	24.42	13.42	1.13
2300.0	14.56	36.24	10.48	9.30	5.02	0.94	24.52	13.43	1.22
2350.0	14.61	36.06	10.58	8.80	4.83	0.92	24.35	13.45	1.19
2400.0	14.41	36.08	10.68	8.08	4.84	0.89	23.92	13.19	1.26
2450.0	14.16	36.20	10.67	7.40	4.90	0.86	23.98	13.16	1.28
2500.0	13.85	36.39	10.74	6.83	5.03	0.83	23.87	13.11	1.32
2550.0	13.57	36.38	10.68	6.32	5.02	0.81	24.24	13.29	1.38
2600.0	13.30	36.39	10.73	5.86	5.02	0.78	25.08	13.14	1.40
2650.0	13.01	36.54	10.71	5.48	5.11	0.75	25.42	13.00	1.48
2700.0	12.72	36.49	10.72	5.07	5.06	0.72	25.58	12.45	1.53
2750.0	12.42	36.53	10.70	4.74	5.07	0.70	25.03	12.34	1.53
2800.0	12.12	36.77	10.72	4.46	5.21	0.67	25.18	12.28	1.53
2850.0	11.82	36.83	10.75	4.17	5.23	0.65	24.97	12.23	1.60
2900.0	11.51	36.93	10.71	3.93	5.27	0.62	24.83	11.87	1.66
2950.0	11.20	37.10	10.77	3.70	5.37	0.60	25.32	11.72	1.62
3000.0	10.89	37.49	10.80	3.52	5.63	0.58	26.33	11.72	1.65

Typical Performance Data

Definitions:
Input Return Loss = -S11 (dB)
Gain(Power Gain) = S21 (dB)
Reverse Isolation = -S12 (dB)
Output Return Loss = -S22 (dB)

TEST CONDITIONS: Vd = 3.30V, Is = 47.19mA @ Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
1200.0	18.39	40.97	16.97	3.93	3.96	0.60	28.08	15.74	0.52
1250.0	18.58	40.32	16.65	4.63	3.93	0.67	28.53	16.25	0.57
1300.0	18.77	39.70	16.23	5.45	3.89	0.73	29.02	16.18	0.59
1350.0	18.90	39.23	15.69	6.44	3.91	0.79	29.39	16.84	0.59
1400.0	18.94	38.75	15.22	7.61	3.92	0.85	29.83	16.52	0.57
1450.0	18.92	38.49	14.79	8.92	4.02	0.90	30.28	16.46	0.58
1500.0	18.86	38.24	14.43	10.49	4.09	0.94	30.42	16.42	0.66
1550.0	18.73	38.03	14.05	12.47	4.19	0.98	30.33	16.85	0.75
1600.0	18.41	37.97	13.87	15.47	4.45	1.01	30.37	16.13	0.74
1650.0	18.15	38.04	13.37	16.18	4.62	1.02	31.14	16.18	0.78
1700.0	18.24	37.51	13.16	18.48	4.34	1.03	30.85	16.01	0.79
1750.0	18.10	37.38	12.97	22.04	4.38	1.04	31.51	16.24	0.82
1800.0	17.90	37.29	12.91	25.13	4.46	1.04	32.31	16.25	0.88
1850.0	17.68	37.24	12.70	23.56	4.53	1.04	31.84	16.48	0.85
1900.0	17.42	37.17	12.59	19.62	4.61	1.03	31.71	16.65	0.87
1950.0	17.05	37.19	12.52	16.46	4.76	1.02	30.77	15.81	0.92
2000.0	16.41	37.75	12.32	15.03	5.40	1.01	30.58	16.12	1.02
2050.0	16.52	37.17	12.07	15.39	4.99	1.02	30.74	16.09	0.98
2100.0	16.50	36.98	11.97	13.71	4.83	1.00	30.43	15.95	0.98
2150.0	16.23	36.88	12.04	11.95	4.83	0.97	30.29	15.58	1.09
2200.0	15.82	37.01	11.88	10.37	4.99	0.95	29.32	15.48	1.11
2250.0	15.20	37.24	11.76	9.47	5.36	0.93	29.15	15.02	1.09
2300.0	15.22	36.76	11.58	9.82	5.10	0.94	29.45	15.03	1.15
2350.0	15.29	36.56	11.67	9.29	4.89	0.92	29.51	15.07	1.14
2400.0	15.10	36.54	11.73	8.50	4.87	0.89	28.78	14.78	1.23
2450.0	14.86	36.60	11.70	7.78	4.90	0.87	28.79	14.78	1.20
2500.0	14.56	36.70	11.76	7.17	4.98	0.84	28.07	14.72	1.25
2550.0	14.28	36.67	11.65	6.63	4.96	0.81	28.46	14.93	1.31
2600.0	14.01	36.62	11.69	6.15	4.93	0.78	28.83	14.78	1.33
2650.0	13.73	36.69	11.64	5.75	4.98	0.76	29.28	14.65	1.42
2700.0	13.44	36.58	11.64	5.31	4.89	0.73	29.32	14.13	1.46
2750.0	13.14	36.54	11.58	4.96	4.86	0.71	28.64	13.98	1.42
2800.0	12.84	36.71	11.57	4.66	4.95	0.68	28.87	13.95	1.45
2850.0	12.54	36.71	11.60	4.37	4.94	0.66	28.38	13.93	1.54
2900.0	12.24	36.75	11.55	4.11	4.96	0.63	28.28	13.56	1.57
2950.0	11.93	36.82	11.59	3.87	4.99	0.61	28.75	13.44	1.56
3000.0	11.62	37.09	11.62	3.68	5.16	0.59	29.68	13.47	1.57

Typical Performance Data

Definitions:
Input Return Loss = -S11 (dB)
Gain(Power Gain) = S21 (dB)
Reverse Isolation = -S12 (dB)
Output Return Loss = -S22 (dB)

TEST CONDITIONS: Vd = 3.00V, Is = 40.13mA @ Temperature = -45°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
1200.0	18.57	40.51	16.18	3.81	3.61	0.59	26.26	14.57	0.36
1250.0	18.78	39.90	16.27	4.51	3.62	0.66	26.51	15.11	0.39
1300.0	18.97	39.27	16.14	5.32	3.58	0.72	27.05	15.11	0.40
1350.0	19.09	38.75	15.82	6.28	3.59	0.78	27.41	15.77	0.42
1400.0	19.13	38.32	15.41	7.39	3.63	0.84	27.89	15.51	0.36
1450.0	19.11	38.02	14.98	8.63	3.69	0.89	28.29	15.47	0.38
1500.0	19.05	37.74	14.55	10.11	3.76	0.93	28.23	15.44	0.43
1550.0	18.92	37.61	14.19	11.94	3.89	0.97	28.60	15.94	0.51
1600.0	18.60	37.52	13.98	14.73	4.12	1.00	27.96	15.25	0.49
1650.0	18.37	37.58	13.50	15.42	4.26	1.01	28.57	15.31	0.54
1700.0	18.43	37.09	13.22	17.52	4.04	1.02	28.34	15.19	0.56
1750.0	18.31	36.98	13.02	20.55	4.08	1.03	28.92	15.43	0.54
1800.0	18.11	36.72	13.02	24.18	4.08	1.03	29.29	15.43	0.57
1850.0	17.91	36.71	12.85	24.23	4.17	1.04	28.96	15.67	0.57
1900.0	17.64	36.75	12.76	20.66	4.30	1.03	28.78	15.82	0.59
1950.0	17.29	36.80	12.72	17.35	4.46	1.02	27.78	15.03	0.62
2000.0	16.63	37.41	12.44	15.56	5.10	1.01	27.78	15.26	0.68
2050.0	16.79	36.71	12.17	16.07	4.63	1.02	28.02	15.30	0.67
2100.0	16.74	36.63	12.20	14.17	4.56	1.00	27.51	15.18	0.68
2150.0	16.46	36.55	12.22	12.23	4.57	0.98	27.33	14.83	0.84
2200.0	16.06	36.73	12.05	10.57	4.73	0.95	26.56	14.73	0.78
2250.0	15.34	37.07	11.92	9.44	5.19	0.92	26.13	14.20	0.76
2300.0	15.39	36.44	11.65	10.06	4.87	0.94	26.31	14.19	0.77
2350.0	15.54	36.33	11.75	9.61	4.68	0.93	26.33	14.29	0.77
2400.0	15.35	36.32	11.77	8.75	4.66	0.90	25.80	14.00	0.83
2450.0	15.09	36.44	11.71	7.99	4.73	0.87	25.83	13.96	0.83
2500.0	14.79	36.52	11.70	7.33	4.79	0.84	25.22	13.93	0.88
2550.0	14.53	36.46	11.55	6.79	4.75	0.82	25.58	14.07	0.92
2600.0	14.25	36.61	11.63	6.32	4.85	0.79	25.77	13.91	0.92
2650.0	13.97	36.68	11.57	5.87	4.88	0.77	25.92	13.78	0.99
2700.0	13.69	36.65	11.54	5.42	4.83	0.74	26.09	13.26	1.02
2750.0	13.39	36.76	11.47	5.06	4.89	0.71	25.45	13.16	1.01
2800.0	13.09	37.02	11.46	4.76	5.04	0.69	25.63	13.12	1.06
2850.0	12.80	36.99	11.46	4.44	5.00	0.66	25.32	13.05	1.08
2900.0	12.50	37.22	11.45	4.17	5.11	0.64	25.13	12.66	1.09
2950.0	12.20	37.15	11.53	3.90	5.06	0.61	25.55	12.55	1.10
3000.0	11.91	37.27	11.52	3.66	5.09	0.59	26.55	12.61	1.09

Typical Performance Data

Definitions:
Input Return Loss = -S11 (dB)
Gain(Power Gain) = S21 (dB)
Reverse Isolation = -S12 (dB)
Output Return Loss = -S22 (dB)

TEST CONDITIONS: Vd = 2.70V, Is = 34.82mA @ Temperature = -45°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
1200.0	18.29	39.72	14.98	3.89	3.40	0.61	25.06	13.43	0.36
1250.0	18.49	39.11	14.83	4.61	3.41	0.67	25.41	13.98	0.41
1300.0	18.66	38.50	14.57	5.44	3.39	0.74	25.74	14.00	0.41
1350.0	18.78	38.02	14.20	6.43	3.41	0.80	26.15	14.64	0.42
1400.0	18.80	37.59	13.79	7.58	3.44	0.86	26.45	14.45	0.39
1450.0	18.77	37.32	13.43	8.86	3.52	0.91	26.59	14.48	0.37
1500.0	18.70	37.06	13.07	10.39	3.58	0.95	26.29	14.42	0.44
1550.0	18.56	36.94	12.81	12.30	3.71	0.99	26.81	14.98	0.53
1600.0	18.24	36.87	12.63	15.21	3.94	1.02	25.85	14.28	0.51
1650.0	18.00	36.92	12.25	15.94	4.07	1.03	26.26	14.35	0.51
1700.0	18.05	36.49	12.03	18.29	3.89	1.04	25.99	14.23	0.57
1750.0	17.92	36.39	11.89	21.76	3.93	1.05	26.33	14.49	0.65
1800.0	17.72	36.15	11.89	25.76	3.94	1.05	26.45	14.51	0.57
1850.0	17.51	36.15	11.78	24.56	4.04	1.05	26.20	14.73	0.59
1900.0	17.24	36.20	11.73	20.30	4.17	1.04	26.08	14.89	0.62
1950.0	16.89	36.27	11.71	16.93	4.33	1.03	25.17	14.09	0.66
2000.0	16.22	36.89	11.49	15.10	4.95	1.02	25.25	14.33	0.69
2050.0	16.38	36.26	11.26	15.51	4.53	1.03	25.34	14.34	0.73
2100.0	16.33	36.18	11.31	13.76	4.46	1.01	24.93	14.22	0.69
2150.0	16.04	36.13	11.36	11.92	4.49	0.98	24.69	13.88	0.93
2200.0	15.64	36.34	11.21	10.32	4.67	0.95	24.06	13.78	0.79
2250.0	14.92	36.69	11.11	9.22	5.12	0.93	23.72	13.24	0.76
2300.0	14.97	36.13	10.88	9.77	4.83	0.94	23.81	13.23	0.80
2350.0	15.11	36.03	11.01	9.33	4.66	0.93	23.79	13.31	0.82
2400.0	14.91	36.04	11.04	8.51	4.65	0.90	23.30	13.03	0.88
2450.0	14.65	36.18	11.00	7.78	4.73	0.87	23.36	12.96	0.86
2500.0	14.35	36.31	11.03	7.13	4.82	0.84	22.89	12.93	0.91
2550.0	14.09	36.29	10.91	6.61	4.80	0.82	23.22	13.08	0.93
2600.0	13.81	36.48	10.98	6.15	4.91	0.79	23.78	12.91	0.97
2650.0	13.53	36.58	10.96	5.72	4.96	0.77	24.03	12.70	1.03
2700.0	13.25	36.60	10.95	5.28	4.94	0.73	24.23	12.21	1.05
2750.0	12.94	36.74	10.91	4.93	5.02	0.71	23.68	12.07	1.04
2800.0	12.64	37.05	10.90	4.63	5.19	0.69	23.85	12.06	1.07
2850.0	12.35	37.08	10.92	4.32	5.19	0.66	23.60	11.95	1.11
2900.0	12.05	37.35	10.93	4.06	5.33	0.63	23.36	11.49	1.12
2950.0	11.76	37.33	11.02	3.79	5.29	0.61	23.84	11.38	1.16
3000.0	11.47	37.53	11.02	3.56	5.38	0.58	24.86	11.47	1.11

Typical Performance Data

Definitions:
Input Return Loss = -S11 (dB)
Gain(Power Gain) = S21 (dB)
Reverse Isolation = -S12 (dB)
Output Return Loss = -S22 (dB)

TEST CONDITIONS: Vd = 3.30V, Is = 45.57mA @ Temperature = -45°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
1200.0	18.79	41.18	16.95	3.72	3.77	0.58	27.41	15.62	0.35
1250.0	19.01	40.58	17.36	4.41	3.79	0.64	27.71	16.18	0.40
1300.0	19.21	39.93	17.50	5.19	3.75	0.70	28.23	16.12	0.39
1350.0	19.35	39.39	17.32	6.12	3.75	0.77	28.59	16.75	0.40
1400.0	19.40	38.91	16.94	7.20	3.77	0.82	29.12	16.47	0.38
1450.0	19.38	38.64	16.48	8.40	3.85	0.87	29.38	16.42	0.39
1500.0	19.33	38.33	15.99	9.82	3.91	0.91	29.38	16.38	0.42
1550.0	19.22	38.19	15.56	11.57	4.04	0.95	29.60	16.84	0.53
1600.0	18.90	38.08	15.29	14.22	4.27	0.98	29.37	16.15	0.49
1650.0	18.67	38.12	14.72	14.88	4.41	0.99	30.23	16.18	0.52
1700.0	18.75	37.64	14.39	16.74	4.18	1.01	29.85	16.06	0.55
1750.0	18.63	37.50	14.10	19.43	4.21	1.02	30.51	16.26	0.57
1800.0	18.45	37.23	14.12	22.70	4.20	1.02	31.04	16.27	0.55
1850.0	18.25	37.20	13.88	23.64	4.29	1.02	30.67	16.54	0.57
1900.0	17.98	37.22	13.76	20.97	4.41	1.02	30.39	16.67	0.60
1950.0	17.64	37.26	13.68	17.81	4.57	1.01	30.05	15.86	0.64
2000.0	16.97	37.82	13.36	16.12	5.21	1.01	29.80	16.14	0.67
2050.0	17.13	37.12	13.03	16.68	4.72	1.01	30.01	16.11	0.70
2100.0	17.10	37.03	13.05	14.63	4.64	1.00	29.72	16.02	0.66
2150.0	16.82	36.95	13.05	12.58	4.65	0.97	29.66	15.66	0.87
2200.0	16.43	37.07	12.83	10.84	4.79	0.95	28.86	15.58	0.79
2250.0	15.70	37.41	12.68	9.69	5.26	0.92	28.51	15.05	0.73
2300.0	15.75	36.75	12.36	10.39	4.92	0.94	28.81	15.04	0.77
2350.0	15.92	36.62	12.45	9.93	4.72	0.93	28.95	15.14	0.75
2400.0	15.73	36.57	12.44	9.02	4.67	0.90	28.40	14.85	0.84
2450.0	15.48	36.66	12.35	8.23	4.72	0.88	28.45	14.82	0.83
2500.0	15.19	36.73	12.32	7.54	4.77	0.85	27.72	14.82	0.86
2550.0	14.92	36.64	12.13	6.98	4.72	0.82	28.07	14.96	0.88
2600.0	14.65	36.78	12.17	6.50	4.81	0.80	28.02	14.80	0.91
2650.0	14.38	36.81	12.11	6.04	4.83	0.77	27.95	14.68	0.97
2700.0	14.10	36.75	12.05	5.57	4.76	0.74	28.16	14.18	1.03
2750.0	13.80	36.83	11.96	5.20	4.80	0.72	27.43	14.06	0.97
2800.0	13.50	37.04	11.91	4.89	4.92	0.70	27.62	14.04	1.03
2850.0	13.20	36.99	11.89	4.56	4.87	0.67	27.21	13.97	1.03
2900.0	12.91	37.19	11.86	4.28	4.97	0.65	27.12	13.58	1.06
2950.0	12.61	37.08	11.93	4.01	4.89	0.62	27.50	13.50	1.07
3000.0	12.32	37.16	11.93	3.76	4.91	0.60	28.42	13.60	1.06

Typical Performance Data

Definitions:
Input Return Loss = -S11 (dB)
Gain(Power Gain) = S21 (dB)
Reverse Isolation = -S12 (dB)
Output Return Loss = -S22 (dB)

TEST CONDITIONS: Vd = 3.00V, Is = 42.18mA @ Temperature = +85°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
1200.0	17.72	40.78	14.65	4.11	4.20	0.63	27.58	14.82	0.70
1250.0	17.92	40.18	14.19	4.79	4.16	0.69	28.28	15.31	0.77
1300.0	18.12	39.56	13.75	5.64	4.10	0.76	28.87	15.27	0.76
1350.0	18.23	39.09	13.33	6.70	4.12	0.83	29.24	15.90	0.81
1400.0	18.27	38.66	12.95	7.92	4.15	0.88	29.84	15.61	0.79
1450.0	18.24	38.41	12.65	9.32	4.25	0.93	30.13	15.57	0.83
1500.0	18.16	38.14	12.38	10.99	4.32	0.97	30.01	15.55	0.86
1550.0	18.03	37.97	12.14	13.09	4.43	1.01	30.29	15.95	0.96
1600.0	17.75	37.91	12.05	16.27	4.68	1.03	29.97	15.27	1.00
1650.0	17.42	38.11	11.70	17.54	4.98	1.05	30.53	15.36	1.01
1700.0	17.50	37.58	11.52	19.72	4.66	1.05	30.23	15.18	1.07
1750.0	17.37	37.48	11.36	23.06	4.70	1.06	31.15	15.36	1.09
1800.0	17.17	37.36	11.32	24.77	4.76	1.06	31.56	15.42	1.07
1850.0	16.95	37.22	11.20	21.91	4.79	1.06	31.10	15.67	1.09
1900.0	16.67	37.20	11.12	18.55	4.90	1.05	30.56	15.80	1.16
1950.0	16.33	37.31	11.07	15.85	5.10	1.04	29.20	15.00	1.21
2000.0	15.74	37.75	10.96	13.96	5.65	1.02	29.56	15.39	1.25
2050.0	15.57	37.48	10.66	14.40	5.58	1.03	29.24	15.17	1.30
2100.0	15.72	37.05	10.64	13.49	5.19	1.02	28.84	15.03	1.32
2150.0	15.48	36.93	10.72	11.69	5.15	0.99	28.63	14.72	1.49
2200.0	15.08	37.07	10.63	10.23	5.33	0.96	27.62	14.58	1.44
2250.0	14.51	37.41	10.57	9.36	5.77	0.94	27.59	14.21	1.42
2300.0	14.45	36.82	10.43	9.42	5.43	0.94	27.76	14.23	1.52
2350.0	14.50	36.69	10.48	8.97	5.26	0.93	27.58	14.20	1.51
2400.0	14.32	36.68	10.57	8.23	5.24	0.90	27.00	13.91	1.59
2450.0	14.06	36.77	10.58	7.56	5.30	0.87	26.97	13.92	1.60
2500.0	13.77	36.75	10.63	6.94	5.30	0.84	26.88	13.84	1.64
2550.0	13.49	36.73	10.53	6.43	5.28	0.82	27.92	14.04	1.71
2600.0	13.18	36.81	10.64	5.98	5.37	0.79	28.03	13.91	1.74
2650.0	12.91	36.73	10.64	5.58	5.31	0.76	28.54	13.78	1.83
2700.0	12.61	36.65	10.64	5.16	5.24	0.73	28.65	13.20	1.91
2750.0	12.31	36.65	10.65	4.84	5.24	0.71	27.87	13.08	1.89
2800.0	12.00	36.86	10.67	4.55	5.37	0.68	28.05	13.01	1.94
2850.0	11.70	36.69	10.72	4.26	5.26	0.66	27.77	12.97	2.00
2900.0	11.40	36.80	10.69	4.02	5.31	0.64	27.80	12.68	2.04
2950.0	11.09	36.63	10.74	3.77	5.20	0.61	28.16	12.60	2.08
3000.0	10.79	36.54	10.75	3.56	5.12	0.59	29.08	12.50	2.05

Typical Performance Data

Definitions:
Input Return Loss = -S11 (dB)
Gain(Power Gain) = S21 (dB)
Reverse Isolation = -S12 (dB)
Output Return Loss = -S22 (dB)

TEST CONDITIONS: Vd = 2.70V, Is = 37.21mA @ Temperature = +85°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
1200.0	17.49	40.06	13.47	4.19	3.97	0.65	26.44	13.69	0.71
1250.0	17.67	39.47	13.02	4.90	3.93	0.71	27.05	14.20	0.77
1300.0	17.86	38.88	12.62	5.78	3.89	0.78	27.33	14.19	0.79
1350.0	17.97	38.40	12.23	6.87	3.90	0.85	27.74	14.83	0.81
1400.0	17.99	38.02	11.90	8.13	3.95	0.90	28.02	14.59	0.82
1450.0	17.96	37.76	11.66	9.58	4.04	0.95	28.17	14.58	0.82
1500.0	17.88	37.51	11.45	11.33	4.12	0.99	27.81	14.58	0.87
1550.0	17.73	37.35	11.25	13.54	4.23	1.03	28.32	15.04	1.00
1600.0	17.44	37.33	11.17	16.95	4.48	1.05	27.44	14.38	1.02
1650.0	17.11	37.53	10.89	18.28	4.76	1.06	27.85	14.44	1.03
1700.0	17.18	37.04	10.73	20.87	4.49	1.07	27.43	14.29	1.05
1750.0	17.05	36.95	10.61	24.72	4.54	1.08	28.12	14.53	1.14
1800.0	16.84	36.86	10.58	25.49	4.61	1.08	28.20	14.55	1.11
1850.0	16.61	36.73	10.49	21.57	4.64	1.07	27.96	14.79	1.13
1900.0	16.33	36.73	10.42	18.08	4.76	1.06	27.75	14.96	1.20
1950.0	15.99	36.86	10.39	15.41	4.96	1.04	26.55	14.14	1.26
2000.0	15.40	37.30	10.30	13.54	5.49	1.03	26.99	14.54	1.32
2050.0	15.22	37.08	10.04	13.87	5.46	1.04	26.57	14.32	1.33
2100.0	15.36	36.68	10.03	13.04	5.09	1.03	26.28	14.19	1.32
2150.0	15.13	36.57	10.11	11.34	5.06	1.00	26.04	13.87	1.57
2200.0	14.71	36.75	10.04	9.95	5.26	0.97	25.31	13.72	1.50
2250.0	14.15	37.09	9.99	9.10	5.68	0.94	25.20	13.33	1.50
2300.0	14.09	36.56	9.88	9.12	5.39	0.95	25.27	13.36	1.53
2350.0	14.13	36.44	9.95	8.68	5.22	0.93	25.14	13.33	1.55
2400.0	13.94	36.46	10.04	7.97	5.23	0.90	24.63	13.05	1.64
2450.0	13.67	36.59	10.05	7.33	5.31	0.87	24.92	13.03	1.64
2500.0	13.38	36.59	10.11	6.73	5.32	0.84	25.10	12.93	1.70
2550.0	13.10	36.60	10.03	6.24	5.32	0.81	25.96	13.13	1.77
2600.0	12.79	36.71	10.13	5.81	5.42	0.79	26.26	13.01	1.79
2650.0	12.51	36.68	10.13	5.42	5.39	0.76	26.74	12.86	1.90
2700.0	12.22	36.63	10.15	5.02	5.33	0.73	26.80	12.30	1.96
2750.0	11.91	36.64	10.17	4.70	5.35	0.70	26.31	12.17	1.95
2800.0	11.60	36.90	10.19	4.42	5.51	0.68	26.44	12.11	1.97
2850.0	11.30	36.75	10.24	4.14	5.40	0.65	26.13	12.04	2.08
2900.0	10.99	36.89	10.22	3.90	5.48	0.63	26.16	11.75	2.10
2950.0	10.68	36.77	10.27	3.66	5.38	0.61	26.51	11.62	2.14
3000.0	10.38	36.70	10.28	3.46	5.32	0.58	27.39	11.57	2.14

Typical Performance Data

Definitions:
Input Return Loss = -S11 (dB)
Gain(Power Gain) = S21 (dB)
Reverse Isolation = -S12 (dB)
Output Return Loss = -S22 (dB)

TEST CONDITIONS: Vd = 3.30V, Is = 47.17mA @ Temperature = +85°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
1200.0	17.90	41.39	15.73	4.03	4.41	0.62	28.04	15.76	0.72
1250.0	18.11	40.75	15.26	4.70	4.35	0.68	28.84	16.19	0.75
1300.0	18.31	40.11	14.78	5.53	4.27	0.75	29.58	16.13	0.76
1350.0	18.44	39.63	14.30	6.56	4.29	0.81	29.75	16.76	0.81
1400.0	18.48	39.19	13.89	7.74	4.32	0.87	30.41	16.45	0.79
1450.0	18.46	38.93	13.53	9.09	4.41	0.92	31.18	16.36	0.78
1500.0	18.39	38.63	13.25	10.70	4.47	0.96	31.44	16.36	0.86
1550.0	18.27	38.44	12.96	12.70	4.58	0.99	31.43	16.74	0.97
1600.0	17.99	38.38	12.82	15.71	4.84	1.02	32.60	16.05	0.97
1650.0	17.66	38.57	12.44	16.89	5.14	1.03	32.76	16.16	0.99
1700.0	17.74	38.02	12.21	18.81	4.81	1.04	33.05	15.98	1.00
1750.0	17.63	37.90	12.04	21.80	4.84	1.05	34.06	16.16	1.07
1800.0	17.43	37.79	11.97	23.96	4.90	1.05	35.22	16.19	1.07
1850.0	17.22	37.62	11.82	22.11	4.92	1.05	34.71	16.45	1.09
1900.0	16.95	37.57	11.71	18.98	5.01	1.04	33.89	16.59	1.15
1950.0	16.61	37.67	11.65	16.26	5.21	1.03	33.58	15.76	1.21
2000.0	16.02	38.11	11.52	14.36	5.78	1.02	32.97	16.17	1.27
2050.0	15.84	37.79	11.20	14.88	5.69	1.03	32.81	15.96	1.30
2100.0	16.00	37.32	11.13	13.93	5.25	1.02	32.95	15.79	1.28
2150.0	15.78	37.19	11.21	12.02	5.20	0.99	32.94	15.51	1.54
2200.0	15.37	37.30	11.12	10.51	5.37	0.96	31.20	15.35	1.42
2250.0	14.80	37.61	11.04	9.62	5.80	0.94	31.26	14.99	1.45
2300.0	14.74	37.00	10.88	9.71	5.45	0.95	31.64	15.02	1.46
2350.0	14.81	36.86	10.91	9.25	5.26	0.93	31.70	15.00	1.48
2400.0	14.63	36.82	11.00	8.48	5.23	0.90	30.70	14.72	1.58
2450.0	14.38	36.88	11.00	7.78	5.27	0.88	30.51	14.72	1.58
2500.0	14.09	36.82	11.04	7.13	5.24	0.85	29.82	14.63	1.60
2550.0	13.81	36.78	10.93	6.61	5.22	0.82	30.60	14.83	1.70
2600.0	13.50	36.84	11.04	6.15	5.29	0.79	30.70	14.71	1.72
2650.0	13.24	36.72	11.01	5.73	5.21	0.77	31.15	14.59	1.82
2700.0	12.95	36.62	11.01	5.30	5.12	0.74	31.17	14.02	1.87
2750.0	12.65	36.60	11.02	4.97	5.12	0.71	30.33	13.91	1.84
2800.0	12.34	36.77	11.04	4.67	5.23	0.69	30.54	13.85	1.87
2850.0	12.04	36.59	11.07	4.37	5.10	0.66	29.88	13.79	1.95
2900.0	11.74	36.62	11.04	4.12	5.11	0.64	29.81	13.54	2.02
2950.0	11.43	36.45	11.08	3.86	5.00	0.62	30.24	13.41	2.03
3000.0	11.13	36.33	11.08	3.64	4.92	0.60	31.00	13.37	2.01