

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=15V, Id = 558.73mA @ Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
700.0	31.84	62.25	10.69	21.62	15.10	1.08	39.64	30.47	9.83
750.0	34.16	66.78	10.60	20.71	19.33	1.08	40.99	31.46	8.03
800.0	35.45	66.69	10.68	21.22	16.58	1.08	41.78	32.23	6.79
850.0	36.07	62.48	11.04	23.95	9.61	1.07	42.41	32.74	5.83
900.0	36.25	62.17	11.59	24.40	9.17	1.06	42.71	33.17	5.18
950.0	36.12	60.63	12.22	25.50	7.91	1.05	42.62	33.37	4.73
1000.0	35.85	67.73	13.02	23.19	18.56	1.04	42.62	33.51	4.49
1050.0	35.58	71.64	13.92	21.88	30.28	1.03	42.60	33.62	4.30
1110.0	35.31	64.82	14.92	20.86	14.38	1.02	42.85	33.80	4.07
1160.0	35.14	62.32	15.76	20.03	11.03	1.01	42.79	33.79	3.92
1210.0	35.03	62.51	16.29	20.31	11.48	1.01	42.63	33.77	3.98
1260.0	34.93	66.21	16.47	19.68	17.72	1.01	42.85	33.76	3.95
1310.0	34.89	63.19	16.30	19.80	12.58	1.01	42.75	33.88	3.88
1360.0	34.89	71.53	15.74	18.51	32.59	1.01	42.66	33.71	3.88
1410.0	34.90	64.76	14.94	18.77	14.88	1.02	42.66	33.69	3.88
1460.0	34.94	57.72	14.29	18.87	6.56	1.02	42.70	33.82	3.81
1520.0	34.98	61.08	13.46	19.55	9.56	1.03	42.54	33.87	3.82
1570.0	35.01	68.37	12.84	18.67	21.79	1.04	42.63	33.95	3.76
1620.0	35.06	71.15	12.39	18.10	29.61	1.04	42.64	33.97	3.55
1670.0	35.06	71.00	12.03	17.55	28.82	1.04	42.79	34.05	3.56
1720.0	35.00	60.97	11.76	16.68	9.10	1.04	42.50	34.19	3.31
1770.0	34.93	72.12	11.73	16.65	32.97	1.04	42.57	34.33	3.59
1820.0	34.83	60.32	11.71	15.63	8.54	1.04	42.43	34.47	3.32
1870.0	34.67	73.97	11.74	15.40	41.83	1.04	42.29	34.40	3.60
1930.0	34.44	61.09	12.01	14.16	9.77	1.02	41.91	34.64	3.20
1980.0	34.22	63.37	12.29	14.08	13.01	1.02	42.00	34.39	3.34
2030.0	34.04	59.59	12.82	14.28	8.71	1.01	41.74	34.26	3.38
2080.0	33.85	62.40	13.55	14.27	12.30	1.01	41.60	34.12	3.23
2130.0	33.64	59.13	14.31	14.26	8.70	1.00	41.24	33.92	3.18
2180.0	33.40	64.35	15.30	14.11	16.45	0.99	40.86	33.80	3.14
2230.0	33.18	70.75	16.30	14.08	35.50	0.98	40.76	33.31	3.22
2280.0	32.91	71.92	17.06	14.51	42.18	0.98	40.44	33.19	3.45
2340.0	32.61	71.30	17.48	15.19	40.97	0.99	40.24	32.91	3.23
2390.0	32.36	61.96	17.14	14.07	14.27	0.98	40.12	32.70	3.09
2440.0	32.06	64.95	16.35	14.28	20.79	0.98	39.70	32.38	3.20
2490.0	31.80	59.84	15.21	13.86	11.73	0.99	39.71	32.17	3.18
2540.0	31.57	64.54	13.89	13.88	20.49	1.00	39.53	32.03	3.14
2590.0	31.35	64.92	12.79	14.40	21.74	1.02	39.43	31.82	3.18
2640.0	31.14	71.71	11.85	14.54	48.11	1.03	39.30	31.68	3.00
2700.0	31.01	59.75	10.93	15.72	12.23	1.05	39.18	31.48	3.33

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=13V, Id = 639.77mA @ Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
700.0	31.80	61.47	10.69	21.41	13.87	1.08	39.78	30.47	9.81
750.0	34.12	66.58	10.60	21.06	18.99	1.08	40.98	31.46	8.00
800.0	35.42	64.06	10.67	20.79	12.27	1.08	41.83	32.20	6.78
850.0	36.03	68.37	11.04	23.96	18.99	1.07	42.21	32.73	5.84
900.0	36.21	58.57	11.60	24.36	6.13	1.06	42.77	33.15	5.18
950.0	36.09	65.09	12.23	25.12	13.22	1.06	42.64	33.38	4.73
1000.0	35.82	62.58	13.02	23.32	10.32	1.04	42.75	33.50	4.58
1050.0	35.54	57.37	13.91	21.70	5.94	1.02	42.74	33.58	4.32
1110.0	35.27	56.70	14.90	21.40	5.72	1.02	42.80	33.84	4.10
1160.0	35.11	67.67	15.76	20.07	20.49	1.02	42.63	33.78	3.91
1210.0	35.00	70.83	16.30	20.70	29.97	1.01	42.70	33.74	3.99
1260.0	34.89	72.07	16.48	19.32	34.90	1.01	42.77	33.74	3.94
1310.0	34.85	59.58	16.28	19.75	8.37	1.01	42.88	33.86	3.92
1360.0	34.85	63.82	15.76	18.39	13.48	1.01	42.69	33.68	3.88
1410.0	34.86	65.27	14.99	18.83	15.85	1.02	42.67	33.70	3.93
1460.0	34.91	70.91	14.26	18.95	29.98	1.02	42.51	33.83	3.83
1520.0	34.95	67.34	13.43	19.52	19.70	1.03	42.82	33.88	3.83
1570.0	34.98	65.96	12.81	18.92	16.60	1.04	42.72	33.94	3.81
1620.0	35.03	57.58	12.42	18.02	6.23	1.04	42.48	33.99	3.60
1670.0	35.03	80.69	12.03	17.62	88.37	1.04	42.49	34.05	3.62
1720.0	34.97	61.23	11.80	16.63	9.39	1.04	42.54	34.18	3.33
1770.0	34.90	68.96	11.72	16.69	23.05	1.04	42.28	34.33	3.57
1820.0	34.79	75.60	11.69	15.59	49.69	1.04	42.43	34.48	3.32
1870.0	34.63	68.20	11.74	15.35	21.65	1.03	42.41	34.41	3.61
1930.0	34.40	66.85	12.03	14.25	18.88	1.02	42.01	34.65	3.15
1980.0	34.18	69.31	12.30	14.37	25.92	1.02	41.78	34.40	3.35
2030.0	34.01	66.51	12.81	14.19	19.28	1.01	41.70	34.27	3.39
2080.0	33.81	68.19	13.55	14.31	24.05	1.01	41.48	34.14	3.24
2130.0	33.61	72.09	14.31	14.42	38.93	1.00	40.96	33.92	3.17
2180.0	33.37	65.22	15.30	14.01	18.26	0.99	40.99	33.80	3.19
2230.0	33.14	61.65	16.32	14.22	12.56	0.98	40.63	33.30	3.25
2280.0	32.88	74.11	17.08	14.48	54.48	0.98	40.33	33.19	3.46
2340.0	32.58	68.34	17.47	14.93	29.17	0.99	40.19	32.93	3.28
2390.0	32.32	58.53	17.18	14.14	9.66	0.98	40.11	32.69	3.13
2440.0	32.02	60.34	16.37	14.33	12.28	0.98	39.79	32.38	3.21
2490.0	31.76	67.72	15.18	13.87	29.23	0.99	39.57	32.18	3.21
2540.0	31.54	60.70	13.88	13.73	13.25	0.99	39.56	32.04	3.19
2590.0	31.32	62.69	12.80	14.62	16.92	1.02	39.36	31.81	3.21
2640.0	31.11	64.77	11.84	14.54	21.76	1.03	39.20	31.69	3.02
2700.0	30.98	62.98	10.94	15.62	17.80	1.05	39.14	31.50	3.31

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=18V, Id = 473.01mA @ Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
700.0	31.76	69.55	10.69	21.73	35.21	1.08	39.62	30.48	9.86
750.0	34.08	70.67	10.59	20.89	30.56	1.08	40.94	31.51	8.02
800.0	35.38	63.48	10.68	20.94	11.54	1.08	41.83	32.26	6.85
850.0	35.99	64.12	11.05	23.21	11.70	1.07	42.49	32.74	5.86
900.0	36.18	62.10	11.60	24.75	9.21	1.06	42.83	33.19	5.24
950.0	36.05	60.92	12.26	24.96	8.23	1.05	42.83	33.38	4.78
1000.0	35.78	68.84	13.00	23.59	21.29	1.04	42.45	33.56	4.57
1050.0	35.50	62.89	13.90	21.72	11.19	1.03	42.92	33.63	4.32
1110.0	35.23	66.93	14.93	21.13	18.48	1.02	42.85	33.84	4.10
1160.0	35.07	60.72	15.75	20.22	9.27	1.01	42.78	33.79	3.97
1210.0	34.96	62.32	16.31	20.65	11.31	1.01	42.96	33.78	4.03
1260.0	34.86	63.01	16.46	19.70	12.38	1.01	42.62	33.75	3.98
1310.0	34.81	59.62	16.27	19.71	8.44	1.01	42.65	33.85	3.90
1360.0	34.82	64.71	15.75	18.60	14.99	1.01	42.72	33.72	3.90
1410.0	34.83	62.30	14.97	18.94	11.32	1.02	42.53	33.70	3.93
1460.0	34.87	66.78	14.26	18.90	18.72	1.02	42.65	33.83	3.85
1520.0	34.91	68.60	13.45	19.29	22.83	1.03	42.72	33.89	3.82
1570.0	34.94	75.59	12.83	18.66	50.36	1.04	42.55	33.94	3.78
1620.0	34.99	66.84	12.37	18.16	18.19	1.04	42.55	33.98	3.57
1670.0	34.99	63.11	12.03	17.71	11.76	1.04	42.60	34.06	3.61
1720.0	34.93	59.51	11.77	16.70	7.75	1.04	42.59	34.20	3.34
1770.0	34.86	70.51	11.72	16.76	27.64	1.05	42.45	34.35	3.59
1820.0	34.76	76.21	11.70	15.59	53.59	1.04	42.31	34.49	3.33
1870.0	34.60	69.72	11.75	15.42	25.81	1.04	42.24	34.41	3.62
1930.0	34.36	65.36	12.05	13.93	15.93	1.02	42.09	34.65	3.19
1980.0	34.14	68.59	12.31	14.23	23.93	1.02	41.90	34.41	3.36
2030.0	33.97	64.58	12.80	14.07	15.50	1.01	41.63	34.29	3.39
2080.0	33.77	60.72	13.54	14.31	10.26	1.00	41.37	34.13	3.26
2130.0	33.57	61.92	14.33	14.25	12.14	1.00	41.10	33.91	3.19
2180.0	33.33	61.90	15.32	13.99	12.50	0.99	40.90	33.75	3.20
2230.0	33.10	64.80	16.33	14.32	18.07	0.99	40.55	33.30	3.26
2280.0	32.84	63.16	17.09	14.48	15.53	0.98	40.30	33.21	3.45
2340.0	32.54	64.26	17.47	15.07	18.35	0.99	40.22	32.93	3.29
2390.0	32.28	73.54	17.15	14.19	54.50	0.98	39.84	32.71	3.14
2440.0	31.98	62.59	16.39	14.38	15.97	0.99	39.67	32.40	3.23
2490.0	31.72	61.81	15.20	13.74	14.81	0.99	39.64	32.18	3.24
2540.0	31.50	63.68	13.90	13.92	18.73	1.00	39.60	32.03	3.19
2590.0	31.28	65.03	12.81	14.61	22.24	1.02	39.36	31.82	3.22
2640.0	31.07	62.08	11.85	14.62	16.02	1.03	39.23	31.69	3.04
2700.0	30.94	67.63	10.94	15.59	30.58	1.05	39.09	31.48	3.34

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=15V, Id = 553.96mA @ Temperature = -40°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
700.0	33.86	66.61	10.63	22.03	19.70	1.08	41.08	30.38	8.34
750.0	36.15	58.71	10.54	23.04	6.12	1.08	41.94	31.26	6.72
800.0	37.37	59.68	10.63	21.35	5.98	1.07	42.59	31.98	5.53
850.0	37.94	75.24	10.94	22.58	33.51	1.07	43.18	32.45	4.64
900.0	38.12	79.68	11.45	24.30	55.30	1.07	43.39	32.93	4.06
950.0	38.01	64.03	12.14	24.48	9.37	1.06	43.70	33.19	3.63
1000.0	37.76	62.83	12.96	23.00	8.48	1.04	43.20	33.28	3.42
1050.0	37.50	75.03	13.82	22.00	35.86	1.03	43.65	33.25	3.24
1110.0	37.23	62.54	14.88	24.36	8.91	1.03	43.91	33.45	2.98
1160.0	37.08	67.28	15.76	23.24	15.70	1.02	43.73	33.39	2.85
1210.0	36.96	63.26	16.30	22.88	10.06	1.02	43.74	33.41	2.92
1260.0	36.84	60.04	16.46	21.85	7.05	1.01	43.65	33.42	2.90
1310.0	36.78	64.12	16.19	23.32	11.33	1.02	43.69	33.52	2.85
1360.0	36.78	61.59	15.64	23.58	8.46	1.02	43.93	33.37	2.85
1410.0	36.78	68.59	14.88	24.45	18.78	1.03	43.60	33.39	2.88
1460.0	36.81	66.68	14.11	25.31	14.92	1.04	43.62	33.51	2.80
1520.0	36.85	69.55	13.25	25.39	20.50	1.04	43.81	33.60	2.76
1570.0	36.88	77.29	12.64	22.34	49.26	1.05	43.64	33.65	2.75
1620.0	36.94	65.62	12.17	20.17	12.67	1.05	43.82	33.68	2.54
1670.0	36.95	68.23	11.84	19.19	16.90	1.05	43.50	33.74	2.58
1720.0	36.90	72.73	11.61	18.85	28.41	1.06	43.46	33.85	2.34
1770.0	36.83	69.25	11.51	18.87	19.14	1.06	43.49	34.05	2.56
1820.0	36.73	62.23	11.44	16.59	8.56	1.05	43.30	34.31	2.33
1870.0	36.58	57.54	11.51	15.46	5.10	1.03	43.17	34.25	2.61
1930.0	36.35	75.95	11.75	14.58	43.03	1.03	43.19	34.51	2.19
1980.0	36.13	57.83	11.95	15.95	5.60	1.03	42.90	34.32	2.35
2030.0	35.95	71.13	12.28	15.83	26.34	1.03	42.87	34.13	2.43
2080.0	35.76	63.70	12.87	15.13	11.47	1.02	42.58	33.99	2.29
2130.0	35.58	63.81	13.56	14.25	11.91	1.00	42.36	33.79	2.23
2180.0	35.35	62.93	14.53	13.97	11.09	0.99	42.15	33.64	2.25
2230.0	35.14	56.44	15.55	14.11	5.50	0.98	41.90	33.13	2.32
2280.0	34.87	64.92	16.34	14.55	15.03	0.98	41.67	33.03	2.50
2340.0	34.58	70.38	16.87	15.06	29.28	0.99	41.56	32.83	2.32
2390.0	34.33	68.99	16.75	14.46	25.49	0.99	41.32	32.67	2.21
2440.0	34.03	67.80	16.03	14.00	22.84	0.98	41.14	32.35	2.28
2490.0	33.75	66.55	14.95	12.50	19.96	0.97	41.04	32.18	2.30
2540.0	33.52	58.04	13.80	12.02	7.54	0.98	40.94	32.04	2.25
2590.0	33.31	62.22	12.76	11.64	12.31	0.98	40.90	31.79	2.27
2640.0	33.07	69.06	11.79	11.31	27.22	0.99	40.63	31.69	2.09
2700.0	32.91	65.64	10.75	11.52	18.50	1.00	40.55	31.47	2.35

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=13V, Id = 631.38mA @ Temperature = -40°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
700.0	33.83	56.45	10.64	21.97	6.16	1.08	40.96	30.41	8.36
750.0	36.12	67.17	10.55	23.05	16.17	1.08	41.86	31.28	6.66
800.0	37.35	66.13	10.62	21.70	12.48	1.08	42.68	32.00	5.53
850.0	37.92	66.16	10.93	22.91	11.82	1.07	43.16	32.45	4.64
900.0	38.10	67.22	11.47	23.82	13.24	1.06	43.30	32.92	4.05
950.0	37.99	71.40	12.13	24.54	21.92	1.06	43.73	33.14	3.64
1000.0	37.74	77.44	12.92	22.80	45.59	1.05	43.28	33.27	3.42
1050.0	37.48	66.09	13.82	22.45	12.84	1.03	43.62	33.26	3.23
1110.0	37.21	67.91	14.88	23.63	16.52	1.03	43.66	33.45	2.99
1160.0	37.05	61.44	15.77	23.16	8.06	1.02	43.70	33.40	2.87
1210.0	36.94	72.64	16.30	23.30	29.64	1.02	43.50	33.41	2.93
1260.0	36.82	63.04	16.45	21.63	9.95	1.01	43.70	33.40	2.88
1310.0	36.76	63.58	16.22	23.67	10.66	1.02	43.72	33.53	2.86
1360.0	36.76	63.04	15.60	23.69	10.01	1.02	43.57	33.38	2.84
1410.0	36.76	59.72	14.86	23.55	6.82	1.02	43.97	33.38	2.88
1460.0	36.80	67.04	14.12	24.68	15.60	1.03	43.73	33.53	2.77
1520.0	36.83	69.97	13.22	25.62	21.57	1.04	43.75	33.58	2.79
1570.0	36.87	67.16	12.65	22.18	15.38	1.05	43.68	33.65	2.77
1620.0	36.92	64.30	12.17	20.09	10.90	1.05	43.83	33.68	2.57
1670.0	36.93	61.47	11.85	18.86	7.82	1.05	43.48	33.74	2.61
1720.0	36.88	59.63	11.63	18.64	6.32	1.05	43.41	33.87	2.32
1770.0	36.81	66.27	11.51	18.79	13.61	1.06	43.43	34.05	2.58
1820.0	36.72	78.08	11.45	16.67	53.15	1.05	43.22	34.29	2.34
1870.0	36.56	59.98	11.52	15.51	6.72	1.04	43.09	34.24	2.61
1930.0	36.34	56.68	11.72	14.67	4.76	1.02	43.24	34.51	2.21
1980.0	36.11	58.14	11.98	15.97	5.77	1.04	43.08	34.31	2.36
2030.0	35.93	71.38	12.27	15.91	27.18	1.03	42.85	34.13	2.44
2080.0	35.74	68.56	12.88	15.04	20.12	1.02	42.59	34.01	2.28
2130.0	35.56	66.62	13.56	14.28	16.48	1.00	42.51	33.80	2.23
2180.0	35.33	58.97	14.53	13.96	7.05	0.99	42.25	33.61	2.25
2230.0	35.12	61.61	15.51	14.08	9.90	0.98	41.85	33.14	2.27
2280.0	34.85	58.20	16.33	14.50	6.99	0.98	41.69	33.02	2.52
2340.0	34.56	60.76	16.88	14.99	9.72	0.98	41.54	32.82	2.33
2390.0	34.31	57.52	16.77	14.50	6.88	0.98	41.52	32.65	2.22
2440.0	34.01	62.00	16.06	14.22	11.75	0.99	40.96	32.36	2.29
2490.0	33.73	73.78	14.96	12.55	46.05	0.97	40.96	32.15	2.28
2540.0	33.50	67.53	13.80	11.86	22.50	0.97	40.91	32.03	2.30
2590.0	33.29	83.12	12.75	11.71	136.82	0.98	40.79	31.82	2.28
2640.0	33.06	61.17	11.79	11.29	11.08	0.98	40.75	31.69	2.11
2700.0	32.90	58.20	10.76	11.71	7.83	1.02	40.49	31.48	2.36

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=18V, Id = 467.76mA @ Temperature = -40°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
700.0	33.82	69.54	10.63	22.09	27.76	1.08	40.69	30.44	8.42
750.0	36.11	59.06	10.54	23.81	6.43	1.08	41.97	31.33	6.60
800.0	37.33	61.97	10.64	21.73	7.77	1.07	42.67	32.02	5.54
850.0	37.91	63.32	10.95	22.97	8.55	1.07	43.23	32.46	4.67
900.0	38.09	70.92	11.47	24.32	20.26	1.07	43.51	32.93	4.06
950.0	37.98	64.38	12.12	24.94	9.78	1.06	43.54	33.17	3.66
1000.0	37.73	70.99	12.93	23.33	21.73	1.05	43.42	33.31	3.45
1050.0	37.47	60.41	13.83	22.02	6.73	1.03	43.47	33.28	3.22
1110.0	37.20	62.74	14.86	23.79	9.15	1.02	43.67	33.47	3.00
1160.0	37.04	73.10	15.78	23.30	30.77	1.02	43.89	33.43	2.87
1210.0	36.92	59.92	16.28	23.71	6.90	1.01	43.62	33.43	2.95
1260.0	36.81	70.55	16.47	21.73	23.63	1.02	43.44	33.42	2.89
1310.0	36.75	58.50	16.19	23.28	5.97	1.01	43.69	33.54	2.85
1360.0	36.75	62.95	15.66	23.08	9.91	1.02	43.70	33.37	2.84
1410.0	36.75	74.19	14.86	24.28	35.94	1.03	43.58	33.40	2.88
1460.0	36.79	70.25	14.13	24.84	22.58	1.04	43.68	33.53	2.81
1520.0	36.82	78.02	13.25	25.51	54.54	1.04	43.60	33.56	2.81
1570.0	36.86	68.75	12.64	22.27	18.51	1.05	43.85	33.67	2.78
1620.0	36.91	77.29	12.17	20.15	48.63	1.05	43.64	33.71	2.55
1670.0	36.92	60.61	11.85	18.95	7.07	1.05	43.61	33.71	2.61
1720.0	36.87	62.50	11.63	18.84	8.79	1.05	43.41	33.90	2.34
1770.0	36.80	71.22	11.50	18.69	24.12	1.06	43.53	34.07	2.60
1820.0	36.71	67.46	11.44	16.83	15.73	1.05	43.39	34.30	2.33
1870.0	36.55	62.20	11.51	15.36	8.64	1.04	43.31	34.26	2.61
1930.0	36.32	76.76	11.76	14.62	47.35	1.03	43.09	34.54	2.25
1980.0	36.10	59.48	11.96	15.97	6.75	1.03	42.94	34.34	2.39
2030.0	35.92	77.63	12.27	16.06	55.90	1.03	42.64	34.16	2.42
2080.0	35.73	62.48	12.87	15.01	10.05	1.01	42.40	34.03	2.27
2130.0	35.55	61.44	13.54	14.31	9.13	1.00	42.44	33.82	2.25
2180.0	35.32	59.38	14.52	13.99	7.45	0.99	42.17	33.65	2.26
2230.0	35.11	63.50	15.51	14.15	12.30	0.99	41.89	33.15	2.30
2280.0	34.84	64.42	16.35	14.46	14.17	0.99	41.68	33.07	2.52
2340.0	34.55	64.07	16.87	15.17	14.25	0.99	41.55	32.87	2.36
2390.0	34.30	56.91	16.77	14.49	6.39	0.98	41.39	32.68	2.20
2440.0	34.00	59.15	16.01	13.89	8.49	0.98	41.12	32.39	2.29
2490.0	33.72	67.92	14.96	12.63	23.51	0.97	41.02	32.18	2.30
2540.0	33.49	62.95	13.83	11.99	13.33	0.98	40.95	32.05	2.28
2590.0	33.28	59.22	12.77	11.59	8.82	0.97	40.81	31.83	2.27
2640.0	33.04	65.72	11.79	11.14	18.60	0.98	40.76	31.70	2.08
2700.0	32.89	66.87	10.77	11.64	21.42	1.01	40.63	31.47	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: Vd=15V, Id = 572.08mA @ Temperature = +85°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
700.0	29.33	67.40	10.48	31.69	36.44	1.09	38.74	29.93	11.25
750.0	31.73	64.23	10.50	26.92	19.19	1.09	40.09	31.14	9.41
800.0	33.10	68.37	10.67	24.60	26.42	1.08	41.20	31.95	8.09
850.0	33.75	65.73	11.04	25.29	18.25	1.08	41.96	32.48	7.06
900.0	33.93	59.61	11.61	23.82	8.96	1.06	42.15	32.93	6.39
950.0	33.78	68.85	12.31	24.07	26.56	1.05	42.41	33.13	5.94
1000.0	33.49	69.80	13.09	21.07	30.88	1.04	42.15	33.31	5.73
1050.0	33.21	72.35	14.03	19.31	43.00	1.03	42.48	33.34	5.49
1110.0	32.92	65.83	15.02	17.57	21.06	1.01	42.24	33.55	5.29
1160.0	32.76	65.65	15.88	16.60	21.02	1.00	42.32	33.50	5.11
1210.0	32.66	73.72	16.42	16.53	53.94	1.00	42.41	33.48	5.18
1260.0	32.57	66.78	16.64	15.27	24.37	0.99	42.49	33.49	5.15
1310.0	32.55	60.76	16.41	15.12	12.23	0.99	42.25	33.61	5.12
1360.0	32.57	67.45	15.92	14.28	26.01	0.99	42.21	33.45	5.10
1410.0	32.59	61.99	15.22	14.52	13.84	0.99	42.19	33.46	5.12
1460.0	32.64	66.38	14.52	14.59	22.68	1.00	42.00	33.62	5.00
1520.0	32.68	62.04	13.73	14.35	13.56	1.00	42.04	33.67	4.98
1570.0	32.70	85.02	13.18	14.18	188.89	1.01	42.15	33.77	4.95
1620.0	32.75	71.15	12.78	13.72	37.69	1.01	41.97	33.83	4.72
1670.0	32.75	58.04	12.47	13.80	8.30	1.01	41.91	33.89	4.75
1720.0	32.68	61.19	12.23	13.14	11.88	1.01	42.00	34.06	4.50
1770.0	32.61	61.79	12.13	12.81	12.81	1.01	41.93	34.20	4.74
1820.0	32.51	72.14	12.06	11.96	42.01	1.00	41.65	34.38	4.46
1870.0	32.34	76.07	12.13	12.25	67.93	1.00	41.69	34.25	4.71
1930.0	32.10	62.64	12.42	11.73	14.82	0.99	41.52	34.49	4.31
1980.0	31.89	61.98	12.75	11.69	14.07	0.98	41.15	34.21	4.46
2030.0	31.71	63.53	13.28	11.93	17.42	0.98	40.85	34.07	4.50
2080.0	31.49	63.99	14.04	11.72	18.86	0.97	40.58	33.95	4.32
2130.0	31.26	65.31	14.82	12.49	23.04	0.97	40.21	33.69	4.27
2180.0	31.01	57.68	15.76	13.22	10.06	0.97	39.96	33.50	4.25
2230.0	30.78	59.14	16.82	14.05	12.32	0.98	39.63	32.96	4.34
2280.0	30.52	60.98	17.55	15.08	15.87	0.99	39.20	32.79	4.50
2340.0	30.22	65.47	17.84	16.63	27.84	0.99	39.07	32.49	4.30
2390.0	29.96	65.42	17.41	17.39	28.60	1.00	38.86	32.30	4.15
2440.0	29.68	63.89	16.59	18.27	24.75	1.01	38.59	31.97	4.21
2490.0	29.45	62.82	15.28	19.45	22.37	1.02	38.38	31.73	4.21
2540.0	29.23	64.33	14.01	19.62	27.03	1.03	38.22	31.55	4.20
2590.0	29.04	59.70	12.93	21.49	16.08	1.04	38.12	31.29	4.20
2640.0	28.88	61.96	12.04	20.81	20.96	1.05	37.99	31.16	4.03
2700.0	28.77	69.89	11.14	20.72	52.06	1.07	37.84	30.96	4.33

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=13V, Id = 653.52mA @ Temperature = +85°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
700.0	29.31	60.67	10.49	31.16	16.84	1.09	38.57	30.02	11.24
750.0	31.71	60.28	10.50	27.62	12.21	1.09	40.10	31.20	9.43
800.0	33.08	66.63	10.66	24.59	21.68	1.08	41.17	32.03	8.06
850.0	33.73	60.83	11.04	25.57	10.41	1.08	41.86	32.53	7.08
900.0	33.91	68.27	11.61	24.34	24.24	1.06	42.31	32.97	6.41
950.0	33.76	60.65	12.29	24.11	10.37	1.05	42.48	33.22	5.96
1000.0	33.47	64.33	13.08	20.99	16.49	1.04	42.22	33.33	5.73
1050.0	33.19	58.84	14.02	18.98	9.12	1.02	42.29	33.38	5.52
1110.0	32.91	87.56	15.03	17.71	257.13	1.01	42.44	33.62	5.25
1160.0	32.75	69.51	15.88	16.58	32.83	1.00	42.10	33.57	5.12
1210.0	32.64	57.53	16.41	16.29	8.42	0.99	42.16	33.53	5.19
1260.0	32.55	62.39	16.63	15.10	14.76	0.99	42.22	33.53	5.12
1310.0	32.52	62.92	16.43	15.15	15.66	0.99	42.03	33.67	5.10
1360.0	32.55	63.54	15.91	14.21	16.61	0.99	42.13	33.49	5.08
1410.0	32.57	74.68	15.25	14.42	59.65	0.99	42.20	33.51	5.14
1460.0	32.62	69.70	14.54	14.41	33.19	1.00	42.21	33.66	5.01
1520.0	32.66	71.83	13.74	14.58	42.00	1.01	42.02	33.72	5.01
1570.0	32.68	57.59	13.21	13.99	8.11	1.00	41.96	33.82	4.97
1620.0	32.74	62.29	12.77	13.78	13.70	1.00	42.06	33.87	4.73
1670.0	32.73	65.49	12.45	13.62	19.65	1.01	41.88	33.95	4.75
1720.0	32.67	70.80	12.23	13.16	36.08	1.01	42.06	34.08	4.47
1770.0	32.59	66.60	12.13	12.80	22.26	1.01	41.79	34.23	4.72
1820.0	32.49	60.91	12.07	12.03	11.60	0.99	41.84	34.40	4.48
1870.0	32.32	78.50	12.13	12.18	89.82	1.00	41.68	34.29	4.73
1930.0	32.08	74.55	12.42	11.66	58.48	0.98	41.40	34.49	4.33
1980.0	31.87	64.37	12.76	11.67	18.64	0.98	41.01	34.23	4.47
2030.0	31.69	69.21	13.26	11.76	33.37	0.98	40.78	34.08	4.47
2080.0	31.47	58.80	14.06	11.76	10.47	0.97	40.55	33.95	4.35
2130.0	31.24	65.72	14.84	12.49	24.18	0.97	40.22	33.72	4.24
2180.0	30.99	59.25	15.78	13.33	12.02	0.98	39.86	33.52	4.24
2230.0	30.76	64.05	16.81	13.85	21.72	0.98	39.63	32.98	4.27
2280.0	30.50	58.41	17.55	15.25	11.87	0.98	39.26	32.84	4.48
2340.0	30.20	66.37	17.87	16.67	30.94	0.99	39.01	32.53	4.32
2390.0	29.95	76.98	17.42	17.54	108.36	1.00	38.84	32.31	4.17
2440.0	29.67	70.32	16.59	18.62	52.05	1.01	38.48	31.98	4.23
2490.0	29.43	69.07	15.27	20.02	46.04	1.02	38.40	31.72	4.24
2540.0	29.21	68.65	14.00	19.66	44.51	1.03	38.25	31.56	4.19
2590.0	29.02	65.59	12.94	21.46	31.72	1.04	37.98	31.33	4.20
2640.0	28.86	75.26	12.04	20.79	97.06	1.05	37.91	31.19	4.03
2700.0	28.76	68.52	11.15	20.45	44.54	1.07	37.71	31.00	4.34

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=18V, Id = 483.81mA @ Temperature = +85°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
700.0	29.31	59.21	10.49	30.86	14.23	1.09	38.64	29.99	11.24
750.0	31.70	60.29	10.50	27.29	12.22	1.09	40.04	31.21	9.35
800.0	33.08	60.61	10.65	24.80	10.88	1.08	41.25	32.02	8.08
850.0	33.72	62.26	11.05	24.95	12.28	1.07	41.95	32.52	7.06
900.0	33.91	72.99	11.61	24.76	41.74	1.07	42.25	33.01	6.39
950.0	33.76	72.57	12.30	24.18	40.84	1.06	42.27	33.21	5.94
1000.0	33.47	68.60	13.09	21.11	26.92	1.04	42.51	33.36	5.75
1050.0	33.18	61.47	14.02	19.14	12.36	1.02	42.27	33.41	5.51
1110.0	32.91	72.14	15.03	17.54	43.55	1.01	42.36	33.64	5.27
1160.0	32.74	61.44	15.86	16.61	13.01	1.00	42.33	33.57	5.12
1210.0	32.64	64.35	16.42	16.35	18.41	1.00	42.25	33.55	5.20
1260.0	32.55	62.43	16.63	15.06	14.83	0.99	42.17	33.55	5.16
1310.0	32.53	61.49	16.42	15.17	13.28	0.99	42.15	33.67	5.11
1360.0	32.55	59.68	15.90	14.25	10.70	0.98	42.12	33.50	5.09
1410.0	32.57	70.41	15.21	14.59	36.52	0.99	42.07	33.50	5.12
1460.0	32.62	70.72	14.53	14.52	37.40	1.00	42.15	33.68	5.02
1520.0	32.66	72.37	13.74	14.39	44.63	1.00	42.14	33.73	5.01
1570.0	32.68	57.37	13.21	13.94	7.82	1.01	41.93	33.81	4.96
1620.0	32.74	60.84	12.80	13.71	11.52	1.01	41.89	33.88	4.74
1670.0	32.73	66.17	12.45	13.58	21.20	1.01	41.90	33.96	4.75
1720.0	32.67	69.81	12.22	13.17	32.26	1.01	41.87	34.09	4.48
1770.0	32.59	60.62	12.11	12.69	11.18	1.01	41.78	34.23	4.71
1820.0	32.49	60.26	12.05	11.93	10.80	0.99	41.71	34.42	4.47
1870.0	32.32	67.07	12.12	12.21	24.06	1.00	41.44	34.28	4.69
1930.0	32.08	74.11	12.41	11.72	55.58	0.99	41.20	34.49	4.30
1980.0	31.87	63.77	12.75	11.75	17.45	0.98	41.05	34.24	4.44
2030.0	31.69	62.94	13.26	11.76	16.19	0.98	40.88	34.10	4.51
2080.0	31.47	71.34	14.05	11.85	44.15	0.97	40.57	33.95	4.33
2130.0	31.24	67.50	14.83	12.44	29.63	0.97	40.20	33.72	4.22
2180.0	30.99	66.57	15.77	13.26	27.85	0.98	39.94	33.52	4.23
2230.0	30.76	61.68	16.81	13.96	16.55	0.98	39.62	32.99	4.31
2280.0	30.51	64.92	17.53	15.13	25.04	0.99	39.17	32.85	4.51
2340.0	30.20	60.63	17.85	16.35	15.95	0.99	39.01	32.53	4.32
2390.0	29.94	62.47	17.42	17.43	20.38	1.00	38.88	32.30	4.18
2440.0	29.67	60.64	16.60	18.49	17.08	1.01	38.47	31.96	4.22
2490.0	29.43	61.15	15.27	19.51	18.48	1.02	38.37	31.72	4.21
2540.0	29.21	61.06	14.00	19.62	18.58	1.03	38.28	31.55	4.19
2590.0	29.03	64.40	12.93	21.78	27.65	1.04	38.01	31.34	4.21
2640.0	28.86	67.04	12.04	20.80	37.67	1.05	37.97	31.20	4.03
2700.0	28.75	68.24	11.14	20.54	43.16	1.07	37.77	31.01	4.31