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: Ven = 2.50V, Vd = 3.00V, Id = 14mA @ 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)
12000	14.32	26.15	11.61	7.32	1.85	0.77	21.96	8.80	1.18
12200	14.50	26.12	12.21	7.74	1.85	0.78	24.16	9.01	1.19
12400	14.67	26.17	12.82	8.20	1.86	0.79	22.19	9.18	1.16
12600	14.83	26.18	13.41	8.69	1.87	0.81	21.93	9.25	1.17
12800	15.00	26.26	14.06	9.28	1.89	0.82	22.95	9.13	1.14
13000	15.17	26.25	14.80	9.94	1.90	0.84	21.62	9.39	1.15
13200	15.33	26.34	15.58	10.72	1.92	0.85	22.31	9.51	1.12
13400	15.50	26.40	16.51	11.68	1.93	0.87	22.51	9.41	1.13
13600	15.66	26.43	17.50	12.84	1.94	0.88	24.10	9.28	1.12
13800	15.82	26.49	18.39	14.15	1.95	0.89	22.39	9.62	1.08
14000	15.97	26.61	19.36	15.84	1.96	0.91	23.32	9.37	1.09
14200	16.11	26.75	19.89	17.79	1.98	0.92	22.27	9.10	1.06
14400	16.23	26.91	20.18	20.05	2.00	0.93	22.34	9.14	1.07
14600	16.34	27.08	20.11	22.04	2.02	0.93	24.02	9.23	1.07
14800	16.43	27.20	19.67	23.02	2.03	0.94	22.29	8.98	1.06
15000	16.51	27.38	19.09	22.29	2.04	0.94	23.38	8.59	1.06
15200	16.57	27.50	18.34	20.92	2.05	0.94	22.71	8.42	1.09
15400	16.63	27.68	17.50	19.59	2.06	0.94	22.88	8.36	1.02
15600	16.67	27.86	16.76	18.61	2.08	0.95	22.62	8.59	1.02
15800	16.71	27.93	16.12	18.15	2.08	0.95	22.41	8.09	1.05
16000	16.74	28.03	15.56	18.06	2.09	0.95	22.14	8.43	1.08
16200	16.77	28.14	15.14	18.18	2.10	0.96	20.83	8.35	1.08
16400	16.77	28.06	15.11	18.58	2.09	0.96	20.72	7.67	1.15
16600	16.76	28.16	15.23	18.97	2.11	0.96	22.70	7.66	1.10
16800	16.73	28.11	15.56	18.59	2.11	0.96	20.48	7.09	1.11
17000	16.61	28.06	16.19	17.08	2.12	0.95	20.47	6.69	1.14
17200	16.43	28.01	16.95	14.99	2.13	0.94	21.60	6.38	1.19
17400	16.19	27.92	17.80	12.91	2.13	0.92	20.73	5.49	1.22
17600	15.90	27.90	18.24	11.09	2.14	0.89	20.91	5.15	1.23
17800	15.58	27.75	17.87	9.62	2.12	0.86	19.68	4.92	1.18
18000	15.18	27.77	17.11	8.41	2.13	0.82	18.91	4.50	1.24

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: Ven = 2.25V, Vd = 2.75V, Id = 10mA @ 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)
12000	13.85	25.67	10.99	7.66	1.86	0.79	20.19	7.32	1.29
12200	14.03	25.64	11.54	8.12	1.86	0.80	21.40	7.43	1.29
12400	14.20	25.65	12.09	8.63	1.87	0.81	20.51	7.59	1.24
12600	14.37	25.70	12.60	9.21	1.89	0.83	20.56	7.80	1.24
12800	14.53	25.73	13.21	9.88	1.90	0.84	21.28	7.74	1.21
13000	14.69	25.74	13.86	10.64	1.91	0.86	20.55	7.99	1.20
13200	14.85	25.83	14.54	11.55	1.93	0.87	21.09	8.08	1.24
13400	15.00	25.88	15.34	12.69	1.94	0.89	20.60	8.03	1.16
13600	15.16	25.92	16.19	14.07	1.95	0.90	22.85	8.03	1.17
13800	15.30	25.99	16.97	15.69	1.96	0.91	20.87	8.18	1.16
14000	15.43	26.12	17.75	17.77	1.98	0.92	22.27	8.20	1.16
14200	15.55	26.25	18.19	20.37	2.00	0.93	20.26	7.95	1.07
14400	15.65	26.37	18.49	23.51	2.01	0.94	20.54	7.96	1.13
14600	15.73	26.57	18.45	25.88	2.04	0.94	20.48	7.88	1.11
14800	15.80	26.76	18.09	25.11	2.06	0.95	19.85	7.75	1.11
15000	15.85	26.84	17.58	22.81	2.05	0.95	20.25	7.22	1.10
15200	15.90	27.04	16.92	20.80	2.08	0.95	19.80	6.79	1.09
15400	15.93	27.20	16.21	19.37	2.09	0.96	18.87	6.35	1.08
15600	15.95	27.36	15.52	18.42	2.11	0.96	18.79	6.88	1.12
15800	15.96	27.49	14.93	17.90	2.12	0.96	18.58	6.45	1.12
16000	15.96	27.65	14.43	17.82	2.15	0.97	18.89	6.41	1.13
16200	15.97	27.70	14.04	17.84	2.15	0.97	18.40	6.42	1.16
16400	15.94	27.72	13.97	17.88	2.16	0.97	18.19	5.86	1.19
16600	15.90	27.70	14.03	17.72	2.17	0.97	18.16	5.84	1.21
16800	15.82	27.69	14.24	16.87	2.17	0.97	16.29	5.23	1.24
17000	15.66	27.71	14.67	15.29	2.20	0.96	16.86	4.80	1.19
17200	15.46	27.71	15.19	13.47	2.22	0.95	16.58	4.49	1.26
17400	15.18	27.79	15.78	11.70	2.26	0.92	15.75	3.72	1.28
17600	14.87	27.73	16.05	10.18	2.27	0.89	15.66	3.34	1.28
17800	14.52	27.75	15.79	8.92	2.29	0.86	14.75	2.90	1.29
18000	14.12	27.66	15.33	7.88	2.28	0.82	13.94	2.32	1.28

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: Ven = 2.75V, Vd = 3.25V, Id = 17mA @ 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)
12000	14.61	26.59	12.10	7.05	1.85	0.75	23.37	9.92	1.20
12200	14.80	26.54	12.73	7.42	1.85	0.76	24.54	10.11	1.17
12400	14.97	26.61	13.39	7.85	1.87	0.78	23.76	10.28	1.13
12600	15.13	26.59	14.04	8.30	1.87	0.79	24.22	10.34	1.13
12800	15.31	26.67	14.79	8.83	1.89	0.81	25.10	10.05	1.10
13000	15.48	26.63	15.62	9.42	1.89	0.82	23.47	10.33	1.08
13200	15.65	26.69	16.50	10.13	1.91	0.84	23.22	10.46	1.10
13400	15.83	26.82	17.60	10.99	1.93	0.85	23.73	10.32	1.08
13600	16.00	26.83	18.74	12.02	1.93	0.87	26.05	10.07	1.10
13800	16.17	26.89	19.90	13.13	1.94	0.88	23.21	10.45	1.08
14000	16.34	26.85	21.09	14.58	1.93	0.89	24.74	10.29	1.06
14200	16.49	27.11	21.75	16.18	1.97	0.91	23.25	9.89	1.08
14400	16.63	27.26	22.04	17.96	1.99	0.92	23.47	9.95	1.04
14600	16.75	27.42	21.92	19.57	2.00	0.92	23.70	10.05	1.02
14800	16.86	27.56	21.37	20.59	2.01	0.93	23.07	9.79	1.03
15000	16.96	27.70	20.65	20.49	2.02	0.93	24.25	9.39	1.04
15200	17.04	27.84	19.78	19.73	2.02	0.93	23.69	9.10	1.03
15400	17.12	28.04	18.83	18.74	2.04	0.93	23.87	9.23	1.00
15600	17.18	28.16	17.98	17.90	2.04	0.94	25.36	9.64	1.03
15800	17.23	28.31	17.31	17.48	2.06	0.94	23.90	8.87	1.02
16000	17.29	28.31	16.72	17.40	2.04	0.94	23.29	9.43	1.05
16200	17.34	28.38	16.25	17.55	2.04	0.94	23.46	9.38	1.06
16400	17.37	28.43	16.24	18.12	2.05	0.94	23.91	8.69	1.07
16600	17.39	28.42	16.44	18.94	2.05	0.95	22.62	8.69	1.11
16800	17.38	28.30	16.85	19.32	2.03	0.95	23.09	8.16	1.12
17000	17.30	28.28	17.71	18.31	2.04	0.94	22.27	7.76	1.13
17200	17.15	28.21	18.80	16.18	2.05	0.93	22.75	7.34	1.16
17400	16.94	28.19	20.04	13.87	2.07	0.91	21.25	6.45	1.19
17600	16.66	27.99	20.63	11.82	2.04	0.89	21.07	6.14	1.19
17800	16.35	28.06	19.95	10.17	2.06	0.86	22.77	6.20	1.21
18000	15.97	27.97	18.71	8.84	2.06	0.82	22.40	5.82	1.20

Typical Performance Data

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

TEST CONDITIONS: Ven = 2.50V, Vd = 3.00V, Id = 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)
12000	14.71	26.32	11.82	6.70	1.73	0.73	21.26	8.88	0.63
12200	14.90	26.28	12.58	7.11	1.74	0.74	23.29	9.10	0.66
12400	15.07	26.34	13.25	7.55	1.76	0.76	21.26	9.28	0.61
12600	15.24	26.36	13.85	8.01	1.77	0.77	21.30	9.36	0.62
12800	15.41	26.40	14.62	8.51	1.79	0.79	22.40	9.28	0.60
13000	15.58	26.41	15.51	9.06	1.79	0.80	21.30	9.52	0.58
13200	15.76	26.48	16.44	9.69	1.81	0.82	21.94	9.66	0.55
13400	15.94	26.49	17.56	10.46	1.81	0.83	21.73	9.57	0.55
13600	16.12	26.52	18.78	11.43	1.82	0.85	23.99	9.47	0.54
13800	16.29	26.59	19.75	12.49	1.83	0.86	21.51	9.72	0.53
14000	16.47	26.68	20.63	13.75	1.84	0.88	22.93	9.58	0.51
14200	16.62	26.81	20.96	15.06	1.85	0.89	21.45	9.33	0.50
14400	16.75	26.97	21.10	16.36	1.87	0.90	21.99	9.38	0.51
14600	16.88	27.07	21.18	17.49	1.87	0.90	22.48	9.39	0.47
14800	17.00	27.24	20.94	18.02	1.88	0.91	21.55	9.14	0.48
15000	17.11	27.38	20.63	17.97	1.89	0.91	22.96	8.89	0.47
15200	17.20	27.49	20.37	17.73	1.89	0.91	22.37	8.60	0.51
15400	17.30	27.64	20.04	17.46	1.89	0.91	21.60	8.58	0.45
15600	17.39	27.81	19.71	17.14	1.91	0.91	21.92	8.80	0.50
15800	17.48	27.93	19.42	17.03	1.91	0.92	21.94	8.11	0.48
16000	17.55	27.94	19.23	16.92	1.90	0.91	21.25	8.49	0.48
16200	17.62	28.05	18.71	16.62	1.90	0.92	21.13	8.52	0.50
16400	17.67	28.08	18.17	16.65	1.89	0.92	21.51	7.91	0.53
16600	17.71	28.06	17.97	16.96	1.88	0.92	20.88	7.92	0.52
16800	17.73	27.87	17.81	17.50	1.85	0.92	20.53	7.40	0.54
17000	17.70	27.89	18.37	17.39	1.86	0.92	21.13	6.94	0.53
17200	17.60	27.83	19.41	16.01	1.86	0.91	20.45	6.55	0.59
17400	17.44	27.77	20.65	14.05	1.86	0.90	20.48	5.68	0.63
17600	17.19	27.67	22.10	11.70	1.85	0.86	20.16	5.21	0.61
17800	16.90	27.56	21.12	9.75	1.82	0.82	19.85	5.10	0.62
18000	16.53	27.51	19.48	8.23	1.80	0.78	18.92	4.57	0.60

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: Ven = 2.25V, Vd = 2.75V, Id = 9mA @ 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)
12000	14.25	25.79	11.14	7.02	1.74	0.75	18.71	7.18	0.66
12200	14.44	25.79	11.81	7.47	1.76	0.76	20.03	7.29	0.68
12400	14.61	25.81	12.40	7.96	1.77	0.78	19.18	7.46	0.68
12600	14.78	25.86	12.92	8.47	1.79	0.79	18.51	7.56	0.65
12800	14.94	25.86	13.56	9.04	1.79	0.81	19.08	7.63	0.64
13000	15.11	25.90	14.29	9.67	1.80	0.82	18.72	7.89	0.60
13200	15.28	25.97	15.01	10.40	1.82	0.84	19.30	7.86	0.57
13400	15.45	26.02	15.93	11.30	1.83	0.85	18.74	7.92	0.58
13600	15.62	26.02	16.83	12.43	1.83	0.87	20.44	7.98	0.60
13800	15.78	26.12	17.57	13.70	1.85	0.88	18.87	8.01	0.53
14000	15.94	26.24	18.23	15.18	1.86	0.89	19.45	8.03	0.53
14200	16.07	26.35	18.53	16.87	1.88	0.91	18.60	7.95	0.55
14400	16.19	26.52	18.64	18.51	1.90	0.91	18.96	7.83	0.52
14600	16.29	26.66	18.73	19.76	1.91	0.92	19.32	7.76	0.53
14800	16.38	26.76	18.54	20.05	1.91	0.92	18.53	7.64	0.56
15000	16.47	26.96	18.22	19.53	1.92	0.93	18.80	7.11	0.51
15200	16.54	27.06	17.94	18.88	1.92	0.93	18.77	6.80	0.54
15400	16.62	27.22	17.63	18.26	1.93	0.93	17.52	6.53	0.52
15600	16.68	27.37	17.30	17.68	1.94	0.93	17.78	6.55	0.50
15800	16.74	27.49	17.02	17.33	1.95	0.93	17.62	6.14	0.50
16000	16.79	27.55	16.85	17.01	1.95	0.93	17.65	6.27	0.52
16200	16.83	27.59	16.43	16.62	1.94	0.93	17.30	6.14	0.53
16400	16.85	27.64	16.05	16.53	1.94	0.93	17.31	5.65	0.57
16600	16.85	27.72	15.85	16.60	1.96	0.94	17.28	5.65	0.60
16800	16.83	27.62	15.73	16.66	1.94	0.94	15.60	5.09	0.55
17000	16.76	27.66	16.06	15.90	1.95	0.94	16.02	4.74	0.59
17200	16.61	27.57	16.63	14.35	1.95	0.92	15.83	4.35	0.62
17400	16.41	27.58	17.33	12.56	1.96	0.91	15.13	3.48	0.61
17600	16.13	27.48	18.15	10.60	1.95	0.87	15.00	3.08	0.63
17800	15.81	27.42	18.03	8.98	1.93	0.83	14.17	2.65	0.64
18000	15.43	27.44	17.37	7.68	1.93	0.78	13.47	2.06	0.61

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: Ven = 2.75V, Vd = 3.25V, Id = 17mA @ 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)
12000	14.99	26.55	12.24	6.49	1.71	0.71	22.96	10.16	0.67
12200	15.18	26.64	13.08	6.87	1.74	0.73	24.68	10.26	0.62
12400	15.35	26.61	13.81	7.27	1.74	0.74	23.76	10.44	0.62
12600	15.51	26.67	14.49	7.69	1.76	0.76	23.56	10.49	0.58
12800	15.68	26.71	15.34	8.16	1.77	0.77	23.94	10.34	0.60
13000	15.86	26.71	16.33	8.66	1.78	0.79	23.61	10.50	0.53
13200	16.04	26.75	17.42	9.23	1.79	0.80	23.56	10.65	0.55
13400	16.23	26.77	18.81	9.92	1.79	0.82	23.82	10.53	0.58
13600	16.41	26.83	20.31	10.78	1.80	0.83	26.32	10.37	0.55
13800	16.59	26.87	21.56	11.74	1.81	0.85	23.45	10.78	0.52
14000	16.78	26.98	22.77	12.83	1.82	0.86	25.15	10.51	0.51
14200	16.94	27.09	23.16	13.98	1.83	0.88	23.38	10.13	0.51
14400	17.09	27.22	23.21	15.10	1.84	0.89	23.84	10.20	0.50
14600	17.24	27.37	23.39	16.10	1.85	0.89	24.96	10.33	0.51
14800	17.37	27.51	22.98	16.66	1.86	0.90	23.62	10.08	0.51
15000	17.49	27.65	22.64	16.73	1.86	0.90	24.83	9.69	0.48
15200	17.60	27.71	22.40	16.68	1.85	0.90	23.63	9.40	0.49
15400	17.72	27.92	22.01	16.54	1.87	0.90	23.70	9.48	0.49
15600	17.83	28.00	21.66	16.39	1.86	0.90	24.93	10.00	0.47
15800	17.93	28.13	21.32	16.42	1.87	0.90	23.29	9.13	0.50
16000	18.03	28.24	21.15	16.41	1.87	0.90	24.26	9.76	0.53
16200	18.12	28.24	20.43	16.22	1.85	0.90	23.68	9.71	0.50
16400	18.19	28.22	19.76	16.30	1.83	0.90	23.22	9.10	0.55
16600	18.25	28.20	19.64	16.74	1.82	0.91	23.05	9.11	0.54
16800	18.30	28.11	19.48	17.58	1.80	0.91	23.39	8.74	0.55
17000	18.31	27.98	20.36	18.14	1.78	0.91	21.82	8.18	0.57
17200	18.24	27.93	21.88	17.21	1.78	0.90	23.39	7.65	0.57
17400	18.12	27.76	24.22	15.34	1.77	0.89	20.52	6.77	0.65
17600	17.90	27.63	26.64	12.68	1.75	0.86	20.72	6.34	0.61
17800	17.63	27.65	23.51	10.44	1.75	0.82	23.75	6.43	0.63
18000	17.28	27.61	20.34	8.71	1.73	0.78	22.70	6.06	0.59

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: Ven = 2.50V, Vd = 3.00V, Id = 14mA @ 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)
12000	13.97	26.27	11.65	7.72	1.98	0.79	22.46	8.59	1.68
12200	14.16	26.28	12.19	8.12	1.98	0.81	23.40	8.81	1.67
12400	14.33	26.35	12.76	8.59	2.00	0.82	23.37	8.98	1.65
12600	14.49	26.41	13.31	9.12	2.02	0.83	21.81	9.03	1.63
12800	14.66	26.37	13.98	9.75	2.02	0.85	23.05	8.92	1.61
13000	14.83	26.41	14.72	10.48	2.03	0.86	22.12	9.04	1.58
13200	14.99	26.47	15.44	11.32	2.04	0.87	22.92	9.29	1.61
13400	15.15	26.53	16.29	12.38	2.06	0.89	22.87	9.19	1.58
13600	15.31	26.60	17.15	13.71	2.07	0.90	24.86	8.93	1.57
13800	15.46	26.75	17.90	15.18	2.10	0.92	23.04	9.29	1.54
14000	15.60	26.80	18.62	17.13	2.11	0.93	23.09	9.11	1.55
14200	15.73	27.03	19.01	19.43	2.14	0.94	22.44	8.70	1.55
14400	15.84	27.10	19.28	22.11	2.15	0.94	22.75	8.74	1.54
14600	15.94	27.29	19.24	24.19	2.17	0.95	23.64	8.82	1.50
14800	16.02	27.42	18.88	23.90	2.18	0.95	22.02	8.55	1.52
15000	16.08	27.58	18.47	22.16	2.19	0.95	24.04	8.28	1.50
15200	16.13	27.80	17.86	20.44	2.22	0.96	23.56	8.10	1.53
15400	16.17	27.96	17.09	19.05	2.24	0.96	22.69	8.08	1.49
15600	16.19	28.10	16.38	18.04	2.25	0.96	23.02	8.40	1.53
15800	16.21	28.20	15.76	17.50	2.26	0.96	22.69	7.73	1.52
16000	16.21	28.22	15.19	17.44	2.26	0.96	22.29	8.06	1.56
16200	16.20	28.40	14.70	17.50	2.30	0.97	22.18	8.05	1.57
16400	16.17	28.45	14.56	17.78	2.32	0.97	20.96	7.40	1.59
16600	16.11	28.41	14.58	18.09	2.33	0.98	23.00	7.32	1.60
16800	16.02	28.41	14.72	17.76	2.35	0.98	21.01	6.88	1.64
17000	15.86	28.35	15.15	16.28	2.36	0.97	20.40	6.43	1.62
17200	15.63	28.30	15.70	14.23	2.38	0.95	20.81	5.91	1.69
17400	15.35	28.35	16.21	12.25	2.42	0.93	19.74	5.16	1.68
17600	15.02	28.38	16.35	10.53	2.45	0.90	20.50	4.79	1.73
17800	14.64	28.29	15.96	9.16	2.44	0.87	19.98	4.71	1.74
18000	14.22	28.16	15.49	8.07	2.44	0.83	19.10	4.30	1.73

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: Ven = 2.25V, Vd = 2.75V, Id = 10mA @ 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)
12000	13.51	25.75	11.05	8.04	1.98	0.81	20.85	7.16	1.74
12200	13.69	25.74	11.57	8.50	1.98	0.82	21.99	7.39	1.75
12400	13.86	25.81	12.09	9.03	2.00	0.84	21.03	7.55	1.67
12600	14.02	25.84	12.61	9.64	2.01	0.85	20.83	7.63	1.69
12800	14.19	25.82	13.22	10.36	2.02	0.87	21.24	7.69	1.72
13000	14.35	25.90	13.90	11.20	2.04	0.88	20.78	7.80	1.68
13200	14.50	25.97	14.56	12.19	2.06	0.89	21.12	7.91	1.69
13400	14.65	26.06	15.34	13.46	2.08	0.91	20.84	7.96	1.68
13600	14.81	26.07	16.11	15.05	2.08	0.92	23.35	7.80	1.65
13800	14.94	26.20	16.77	16.91	2.10	0.93	20.63	8.09	1.61
14000	15.06	26.34	17.42	19.43	2.13	0.94	23.01	7.95	1.64
14200	15.17	26.44	17.79	22.61	2.14	0.95	20.66	7.67	1.60
14400	15.25	26.67	18.00	26.13	2.18	0.95	21.22	7.68	1.60
14600	15.33	26.82	18.01	26.76	2.19	0.96	21.16	7.61	1.55
14800	15.38	26.97	17.71	23.88	2.21	0.96	20.40	7.45	1.60
15000	15.43	27.18	17.35	21.28	2.24	0.96	20.98	7.04	1.59
15200	15.45	27.39	16.75	19.48	2.27	0.96	20.38	6.84	1.56
15400	15.47	27.45	16.08	18.25	2.26	0.96	19.03	6.60	1.58
15600	15.46	27.65	15.42	17.38	2.30	0.97	19.20	6.72	1.57
15800	15.46	27.74	14.82	16.89	2.31	0.97	19.07	6.23	1.62
16000	15.43	27.85	14.31	16.81	2.33	0.97	19.20	6.44	1.64
16200	15.40	27.97	13.84	16.80	2.36	0.98	18.37	6.29	1.66
16400	15.33	27.99	13.68	16.84	2.38	0.98	18.38	5.74	1.69
16600	15.24	28.02	13.64	16.76	2.41	0.99	18.44	5.66	1.66
16800	15.12	27.97	13.72	16.14	2.42	0.98	16.47	5.17	1.72
17000	14.92	28.02	14.01	14.71	2.46	0.97	16.70	4.70	1.74
17200	14.66	28.06	14.39	12.95	2.51	0.96	16.63	4.31	1.76
17400	14.36	28.05	14.73	11.24	2.54	0.93	15.82	3.55	1.80
17600	14.00	27.94	14.83	9.72	2.53	0.90	15.51	3.14	1.84
17800	13.61	27.90	14.55	8.54	2.54	0.86	14.69	2.73	1.82
18000	13.18	27.89	14.21	7.56	2.56	0.83	13.78	2.28	1.82

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: Ven = 2.75V, Vd = 3.25V, Id = 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)
12000	14.28	26.66	12.11	7.43	1.97	0.78	24.14	9.70	1.62
12200	14.47	26.64	12.69	7.80	1.97	0.79	23.40	9.78	1.63
12400	14.64	26.69	13.31	8.23	1.99	0.80	23.43	9.94	1.60
12600	14.81	26.74	13.91	8.70	2.00	0.82	23.01	9.98	1.60
12800	14.98	26.79	14.64	9.28	2.02	0.83	23.88	9.70	1.59
13000	15.16	26.85	15.44	9.92	2.03	0.84	23.06	9.94	1.57
13200	15.32	26.92	16.25	10.68	2.05	0.86	24.02	10.09	1.56
13400	15.49	27.00	17.22	11.63	2.07	0.88	24.05	9.96	1.55
13600	15.67	26.96	18.22	12.77	2.06	0.89	24.96	9.67	1.56
13800	15.83	27.13	19.08	14.05	2.09	0.90	23.26	10.06	1.52
14000	15.99	27.20	19.92	15.68	2.10	0.91	24.15	9.74	1.51
14200	16.13	27.39	20.38	17.54	2.13	0.93	23.53	9.42	1.50
14400	16.26	27.52	20.66	19.65	2.14	0.93	23.36	9.36	1.50
14600	16.37	27.64	20.66	21.39	2.15	0.94	24.09	9.46	1.51
14800	16.47	27.82	20.23	21.97	2.17	0.94	22.80	9.18	1.49
15000	16.55	28.02	19.73	21.20	2.19	0.95	24.74	8.90	1.47
15200	16.62	28.12	19.03	19.98	2.19	0.95	23.46	8.61	1.49
15400	16.68	28.37	18.19	18.80	2.23	0.95	23.39	8.76	1.47
15600	16.71	28.43	17.40	17.77	2.22	0.95	24.57	9.25	1.48
15800	16.76	28.60	16.73	17.29	2.24	0.95	22.70	8.32	1.49
16000	16.78	28.68	16.10	17.19	2.25	0.95	23.72	8.85	1.52
16200	16.79	28.75	15.62	17.31	2.26	0.96	22.18	8.87	1.52
16400	16.78	28.79	15.49	17.73	2.27	0.96	22.93	8.20	1.56
16600	16.75	28.67	15.54	18.42	2.26	0.96	23.37	8.13	1.59
16800	16.69	28.58	15.75	18.62	2.25	0.96	22.64	7.72	1.61
17000	16.56	28.53	16.34	17.44	2.27	0.96	21.53	7.19	1.60
17200	16.35	28.52	17.04	15.28	2.30	0.95	21.00	6.65	1.65
17400	16.10	28.54	17.75	13.08	2.33	0.93	21.08	5.90	1.71
17600	15.78	28.50	17.89	11.16	2.34	0.90	21.63	5.55	1.68
17800	15.42	28.32	17.37	9.64	2.31	0.87	24.40	5.65	1.71
18000	15.00	28.16	16.67	8.44	2.30	0.83	23.30	5.38	1.69