

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 = 5.00V, Id = 34.21mA @ 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)
400	10.60	41.12	3.91	11.89	9.19	1.32	21.84	9.70	4.94
500	12.96	39.11	6.11	15.26	7.38	1.21	23.19	11.73	4.99
600	14.37	37.35	9.09	18.33	6.08	1.11	24.10	11.85	4.27
700	15.24	36.24	12.79	21.27	5.30	1.04	24.11	11.93	4.05
800	15.81	35.39	17.66	24.38	4.71	1.00	23.68	11.68	3.97
900	16.19	34.74	24.37	27.65	4.27	0.99	23.59	11.79	3.88
1000	16.46	34.28	28.54	31.32	3.95	0.98	22.73	11.17	3.87
1100	16.64	33.95	23.53	35.16	3.72	0.99	22.83	11.36	3.93
1200	16.76	33.75	20.37	36.36	3.57	0.99	22.48	11.01	3.88
1300	16.86	33.59	18.65	33.80	3.46	0.99	22.27	10.84	3.89
1400	16.90	33.46	17.66	30.58	3.37	1.00	22.24	10.86	3.90
1500	16.91	33.36	17.13	27.92	3.32	1.00	21.84	10.44	3.87
1600	16.94	33.47	16.92	25.69	3.34	1.00	21.86	10.46	3.92
1700	16.89	33.41	17.45	24.55	3.35	0.99	21.55	10.19	3.88
1800	16.83	33.35	17.96	23.22	3.35	0.99	21.65	10.19	3.90
1900	16.76	33.45	18.81	22.15	3.42	0.99	21.47	10.04	3.88
2000	16.64	33.51	19.73	21.32	3.49	0.98	21.10	9.70	3.94
2100	16.51	33.60	20.55	20.61	3.58	0.98	21.22	9.77	3.91
2200	16.35	33.79	20.56	20.01	3.72	0.98	20.81	9.53	3.90
2300	16.17	33.87	19.61	19.41	3.82	0.98	20.99	9.62	3.94
2400	15.98	33.98	17.39	18.87	3.91	0.99	21.09	9.77	4.04
2500	15.63	34.54	15.51	19.04	4.29	1.00	21.00	9.65	3.99
2600	15.33	35.04	13.83	19.21	4.64	1.02	21.06	9.63	4.18
2700	15.01	35.10	12.25	19.07	4.75	1.03	21.15	9.73	4.20
2800	14.56	35.56	10.63	19.95	5.13	1.07	21.22	9.76	4.33
2900	14.15	35.77	9.43	20.24	5.34	1.09	21.08	9.72	4.38
3000	13.75	36.17	8.40	20.53	5.66	1.13	21.02	9.64	4.42
3100	13.23	36.56	7.42	21.80	6.02	1.17	21.04	9.59	4.58
3200	12.80	37.26	6.67	22.15	6.56	1.20	21.01	9.65	4.59
3300	12.29	37.43	6.01	22.55	6.77	1.24	20.72	9.18	4.72
3400	11.80	37.82	5.39	23.90	7.12	1.28	21.19	9.69	4.90
3600	10.83	38.95	4.45	25.32	8.17	1.35	21.30	9.78	5.22
3800	9.91	39.69	3.77	25.55	8.94	1.41	21.68	10.08	5.53
4000	9.00	40.57	3.28	25.23	10.03	1.46	21.61	10.00	5.95
4200	8.17	41.21	2.84	24.72	10.75	1.51	21.70	10.10	6.40
4400	7.39	39.93	2.56	24.02	9.42	1.55	21.83	10.29	6.87
4600	6.66	39.67	2.38	22.48	9.39	1.57	21.96	10.54	7.26
4800	6.02	40.69	2.18	20.51	10.57	1.59	22.05	10.78	7.65
5000	5.39	35.74	1.98	19.00	5.91	1.62	22.34	11.35	8.06
5200	4.58	37.79	2.02	16.79	8.23	1.60	21.93	10.89	8.63
5400	3.25	42.33	2.00	14.72	15.90	1.58	20.91	10.03	9.12

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 = 3.90V, Id = 33.72mA @ 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)
400	10.40	41.17	3.93	11.77	9.48	1.32	21.34	9.40	4.98
500	12.72	39.10	6.14	14.86	7.58	1.21	22.71	11.42	5.03
600	14.09	37.31	9.07	17.57	6.22	1.11	23.55	11.59	4.30
700	14.92	36.18	12.67	20.12	5.43	1.04	23.57	11.67	4.07
800	15.48	35.31	17.27	22.74	4.83	1.00	23.19	11.44	3.97
900	15.83	34.64	23.05	25.36	4.38	0.99	23.07	11.54	3.95
1000	16.09	34.16	26.96	28.35	4.05	0.98	22.29	10.95	3.90
1100	16.25	33.80	23.67	32.02	3.82	0.99	22.36	11.11	3.94
1200	16.37	33.55	20.79	36.41	3.65	0.99	22.04	10.76	3.91
1300	16.45	33.35	19.08	36.49	3.53	0.99	21.81	10.59	3.91
1400	16.49	33.18	18.10	32.61	3.43	0.99	21.78	10.60	3.90
1500	16.49	33.04	17.56	29.22	3.37	1.00	21.40	10.18	3.91
1600	16.51	33.10	17.30	26.12	3.38	1.00	21.42	10.18	3.96
1700	16.46	32.98	17.79	24.63	3.35	0.99	21.10	9.92	3.94
1800	16.40	32.87	18.26	23.06	3.33	0.99	21.22	9.91	3.96
1900	16.33	32.90	19.04	21.73	3.37	0.99	21.04	9.75	4.01
2000	16.22	32.89	19.85	20.69	3.41	0.98	20.68	9.43	3.94
2100	16.10	32.91	20.59	19.83	3.47	0.98	20.80	9.47	3.96
2200	15.94	33.02	20.51	19.06	3.57	0.98	20.37	9.23	3.92
2300	15.77	33.01	19.62	18.32	3.62	0.98	20.54	9.31	3.97
2400	15.59	33.12	17.49	17.57	3.70	0.98	20.59	9.44	4.04
2500	15.26	33.55	15.66	17.47	4.00	0.99	20.52	9.31	3.99
2600	14.98	33.89	14.02	17.44	4.23	1.00	20.60	9.28	4.23
2700	14.68	33.85	12.42	17.09	4.28	1.02	20.66	9.37	4.23
2800	14.25	34.26	10.81	17.53	4.58	1.05	20.75	9.43	4.31
2900	13.85	34.33	9.58	17.60	4.70	1.08	20.62	9.35	4.43
3000	13.46	34.62	8.56	17.61	4.91	1.11	20.55	9.27	4.42
3100	12.95	34.90	7.54	18.33	5.16	1.15	20.59	9.24	4.58
3200	12.54	35.43	6.78	18.43	5.51	1.18	20.53	9.30	4.61
3300	12.04	35.55	6.11	18.37	5.65	1.22	20.28	8.85	4.77
3400	11.55	35.84	5.48	18.97	5.87	1.26	20.68	9.34	4.90
3600	10.59	36.69	4.53	19.55	6.52	1.33	20.80	9.42	5.22
3800	9.67	37.24	3.84	19.50	7.00	1.39	21.17	9.72	5.62
4000	8.75	37.78	3.34	19.01	7.54	1.44	21.13	9.67	6.03
4200	7.90	38.24	2.88	18.58	7.91	1.49	21.22	9.74	6.44
4400	7.10	37.22	2.61	18.18	7.18	1.52	21.34	9.95	6.88
4600	6.33	36.97	2.43	17.37	7.18	1.54	21.41	10.21	7.34
4800	5.65	37.69	2.22	16.27	7.80	1.56	21.50	10.43	7.69
5000	4.97	34.40	2.04	15.40	5.34	1.58	21.52	10.94	8.13
5200	4.10	35.93	2.09	13.94	7.03	1.56	20.96	10.42	8.67
5400	2.70	39.48	2.11	12.36	12.33	1.53	19.61	9.39	9.18

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 = 5.25V, Id = 34.27mA @ 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)
400	10.61	41.09	3.91	11.91	9.14	1.32	21.89	9.75	4.90
500	12.99	39.10	6.11	15.32	7.36	1.21	23.24	11.77	4.92
600	14.40	37.34	9.08	18.44	6.06	1.11	24.18	11.89	4.29
700	15.27	36.24	12.79	21.42	5.28	1.04	24.17	11.96	4.06
800	15.85	35.39	17.71	24.56	4.69	1.00	23.73	11.70	3.94
900	16.23	34.74	24.56	27.79	4.25	0.99	23.64	11.83	3.89
1000	16.50	34.29	28.75	31.14	3.93	0.98	22.79	11.21	3.87
1100	16.68	33.96	23.48	33.85	3.71	0.99	22.88	11.39	3.89
1200	16.81	33.76	20.30	33.91	3.55	0.99	22.53	11.04	3.86
1300	16.91	33.61	18.57	31.93	3.44	0.99	22.31	10.88	3.87
1400	16.95	33.48	17.58	29.45	3.36	1.00	22.28	10.90	3.87
1500	16.96	33.39	17.06	27.19	3.31	1.00	21.89	10.48	3.88
1600	16.99	33.50	16.85	25.26	3.33	1.00	21.91	10.49	3.89
1700	16.94	33.45	17.35	24.24	3.34	0.99	21.60	10.22	3.86
1800	16.89	33.41	17.87	23.02	3.34	0.99	21.69	10.24	3.87
1900	16.81	33.52	18.71	22.04	3.42	0.99	21.52	10.08	3.85
2000	16.70	33.58	19.64	21.27	3.49	0.99	21.14	9.74	3.88
2100	16.57	33.69	20.43	20.61	3.59	0.98	21.28	9.82	3.90
2200	16.40	33.89	20.43	20.06	3.73	0.98	20.87	9.56	3.90
2300	16.21	33.98	19.51	19.49	3.84	0.98	21.05	9.67	3.91
2400	16.03	34.10	17.29	19.03	3.94	0.99	21.14	9.82	3.99
2500	15.67	34.67	15.47	19.24	4.34	1.00	21.06	9.70	3.94
2600	15.37	35.20	13.80	19.46	4.70	1.02	21.10	9.68	4.14
2700	15.04	35.27	12.20	19.37	4.82	1.04	21.22	9.78	4.15
2800	14.59	35.75	10.60	20.35	5.22	1.07	21.30	9.83	4.30
2900	14.17	35.97	9.41	20.72	5.45	1.10	21.14	9.76	4.37
3000	13.77	36.40	8.39	21.08	5.79	1.13	21.06	9.70	4.39
3100	13.25	36.79	7.41	22.48	6.16	1.17	21.11	9.65	4.51
3200	12.81	37.51	6.66	22.87	6.74	1.21	21.09	9.70	4.55
3300	12.30	37.70	6.00	23.40	6.97	1.24	20.76	9.24	4.66
3400	11.80	38.12	5.38	24.93	7.36	1.28	21.26	9.75	4.83
3600	10.84	39.29	4.45	26.44	8.49	1.35	21.39	9.83	5.18
3800	9.92	40.02	3.78	26.67	9.29	1.42	21.76	10.14	5.51
4000	9.02	40.96	3.29	26.48	10.49	1.46	21.70	10.06	5.90
4200	8.18	41.58	2.85	25.95	11.22	1.51	21.78	10.16	6.36
4400	7.42	40.14	2.57	25.14	9.65	1.55	21.87	10.34	6.85
4600	6.67	39.69	2.38	23.37	9.40	1.57	22.00	10.59	7.23
4800	6.05	41.27	2.21	21.11	11.37	1.59	22.12	10.83	7.59
5000	5.43	36.07	1.99	19.35	6.13	1.62	22.45	11.41	7.99
5200	4.64	38.07	2.03	17.09	8.48	1.60	22.05	10.96	8.55
5400	3.31	42.48	2.01	14.99	16.17	1.58	21.04	10.11	9.11