

Typical Performance Data

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

Definitions:

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

TEST CONDITIONS: I = 100mA, Vd = 5V @Temperature = +25degC

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP3 Output	1dB Comp. Output	Noise Figure
					K	Delta			
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Delta	(dBm)	(dBm)	(dB)
20	10.57	20.80	21.06	15.98	1.73	0.32	38.23	17.89	7.24
100	10.47	20.47	26.74	27.48	1.73	0.32	40.29	18.64	7.53
220	10.49	20.46	26.73	28.32	1.73	0.32	39.74	18.76	7.61
300	10.48	20.48	26.73	29.31	1.73	0.31	39.75	18.90	7.66
420	10.39	20.55	26.60	29.23	1.76	0.31	39.27	18.93	7.70
620	10.38	20.51	25.33	27.28	1.75	0.31	38.60	18.90	7.74
820	10.29	20.57	24.68	25.85	1.77	0.30	38.13	18.87	7.76
1000	10.24	20.59	23.81	24.39	1.78	0.30	37.75	18.59	7.78
1220	10.14	20.62	22.92	22.84	1.80	0.29	37.42	18.57	7.80
1420	10.04	20.67	22.40	21.86	1.82	0.29	37.20	18.56	7.80
1500	9.99	20.70	22.18	21.41	1.83	0.29	37.09	17.45	7.79
1620	9.93	20.70	21.75	20.74	1.84	0.28	37.08	18.67	7.79
1820	9.83	20.78	21.33	20.01	1.87	0.28	36.59	19.05	7.79
2000	9.72	20.82	20.89	19.20	1.89	0.27	36.32	18.60	7.82
2020	9.71	20.81	20.85	19.10	1.89	0.27	36.24	19.26	7.82
2220	9.60	20.87	20.51	18.40	1.91	0.26	36.02	19.31	7.84
2420	9.49	20.95	20.45	17.83	1.94	0.26	35.71	19.12	7.85
2620	9.36	20.98	20.35	17.39	1.97	0.25	35.45	19.33	7.88
2820	9.25	21.04	20.15	16.95	2.00	0.24	35.25	19.09	7.91
3000	9.17	21.06	20.39	16.55	2.02	0.24	35.01	19.02	7.90
3020	9.14	21.11	20.41	16.52	2.03	0.24	34.92	19.13	7.89
3420	8.96	21.17	21.16	16.00	2.08	0.23	34.24	18.90	7.88
3820	8.76	21.27	22.19	15.97	2.15	0.22	33.98	18.87	7.93
4000	8.67	21.35	22.87	15.99	2.19	0.22	33.82	18.77	7.96
4020	8.68	21.34	23.06	15.97	2.19	0.22	33.81	18.80	7.96
4220	8.59	21.36	23.28	15.99	2.22	0.22	33.60	18.41	8.00
4420	8.49	21.40	22.71	15.79	2.25	0.22	33.17	18.47	8.05
4620	8.39	21.45	21.37	15.65	2.28	0.22	32.96	18.41	8.12
4820	8.27	21.51	19.37	15.18	2.31	0.22	32.52	18.29	8.20
5000	8.14	21.57	17.60	14.62	2.34	0.22	32.35	18.12	8.28
5220	7.95	21.68	15.44	13.61	2.37	0.22	31.97	17.92	8.38
5620	7.53	21.90	12.28	11.74	2.42	0.23	31.45	17.40	8.50
5820	7.26	22.01	11.07	10.98	2.45	0.23	31.20	17.21	8.63
6000	7.01	22.18	10.03	10.30	2.48	0.24	30.83	16.84	8.73
6220	6.65	22.29	9.04	9.64	2.50	0.24	30.57	16.35	8.85
6420	6.30	22.49	8.14	9.13	2.53	0.25	30.36	15.99	8.96
6620	5.92	22.63	7.48	8.71	2.57	0.25	29.90	15.96	9.08
6820	5.48	22.86	6.91	8.42	2.64	0.25	29.90	15.67	9.31
7000	5.12	23.02	6.48	8.16	2.69	0.25	29.40	15.67	9.46

Typical Performance Data

Definitions:

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

TEST CONDITIONS: I = 97mA, Vd = 5V @Temperature = -40degC

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP3 Output	1dB Comp. Output	Noise Figure
					K	Delta			
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Delta	(dBm)	(dBm)	(dB)
20	10.42	20.65	22.52	17.66	1.75	0.32	39.20	17.84	7.12
100	10.52	20.49	27.99	26.53	1.73	0.32	39.77	18.74	6.89
220	10.54	20.45	29.48	25.81	1.72	0.32	40.28	18.69	6.86
300	10.52	20.48	28.25	27.47	1.73	0.32	40.24	18.76	6.88
420	10.45	20.52	27.00	30.31	1.74	0.31	39.87	18.81	6.91
620	10.45	20.49	25.04	27.41	1.74	0.31	39.12	18.79	6.94
820	10.36	20.53	25.16	25.18	1.75	0.31	38.64	18.79	6.96
1000	10.32	20.54	24.21	24.12	1.76	0.30	38.29	18.67	6.99
1220	10.23	20.56	23.49	22.89	1.77	0.30	37.97	18.63	6.99
1420	10.14	20.58	22.36	22.58	1.79	0.29	37.75	18.69	6.98
1500	10.09	20.61	22.05	22.18	1.80	0.29	37.75	17.63	6.97
1620	10.03	20.63	21.51	21.47	1.81	0.29	37.92	18.90	6.98
1820	9.92	20.68	21.25	20.61	1.83	0.28	37.22	19.09	6.98
2000	9.84	20.67	21.24	20.02	1.84	0.28	36.95	18.76	6.98
2020	9.82	20.69	21.26	19.79	1.85	0.28	36.93	19.16	6.98
2220	9.70	20.77	21.25	18.73	1.88	0.27	36.75	19.22	7.00
2420	9.58	20.79	20.75	17.86	1.90	0.26	36.38	19.11	7.01
2620	9.46	20.89	20.64	16.90	1.93	0.26	36.16	19.27	7.04
2820	9.35	20.90	20.55	16.50	1.95	0.25	36.06	19.10	7.05
3000	9.26	20.95	20.86	16.22	1.97	0.25	35.85	19.05	6.99
3020	9.25	20.96	20.87	16.33	1.98	0.25	35.81	19.24	6.98
3420	9.07	21.03	21.37	16.12	2.03	0.24	35.11	18.98	6.93
3820	8.90	21.12	21.62	16.89	2.10	0.23	34.90	19.05	6.96
4000	8.83	21.14	22.47	16.64	2.12	0.23	34.72	19.01	6.99
4020	8.81	21.16	22.68	16.72	2.13	0.23	34.71	18.99	6.99
4220	8.74	21.19	23.73	16.58	2.15	0.23	34.55	18.64	7.05
4420	8.65	21.22	23.42	16.07	2.18	0.23	34.13	18.66	7.12
4620	8.55	21.26	22.03	15.85	2.20	0.23	33.97	18.60	7.20
4820	8.43	21.33	19.67	15.19	2.24	0.23	33.45	18.47	7.23
5000	8.29	21.42	17.75	14.16	2.26	0.23	33.29	18.29	7.29
5020	8.28	21.41	17.58	14.10	2.26	0.23	33.10	18.26	7.31
5220	8.10	21.51	14.90	13.24	2.29	0.24	32.84	18.24	7.40
5620	7.71	21.70	11.87	11.85	2.32	0.24	32.38	17.72	7.56
5820	7.50	21.84	11.43	10.97	2.36	0.24	32.04	17.66	7.65
6000	7.25	21.95	10.49	10.13	2.38	0.25	31.71	17.22	7.78
6020	7.22	22.01	10.38	10.02	2.39	0.25	31.55	17.20	7.78
6220	6.99	22.03	9.22	9.60	2.36	0.26	31.36	16.72	7.89
6420	6.71	22.16	8.62	9.30	2.40	0.25	31.14	16.55	7.94
6620	6.42	22.27	8.05	8.62	2.40	0.26	30.60	16.58	8.09
6820	6.05	22.47	7.17	8.07	2.41	0.27	30.45	15.95	8.29
7000	5.67	22.67	6.53	7.73	2.44	0.28	30.15	15.94	8.43

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Typical Performance Data

Definitions:

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

TEST CONDITIONS: I = 102mA, Vd = 5V @Temperature = +85degC

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP3 Output	1dB Comp. Output	Noise Figure
					K	Delta			
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Delta	(dBm)	(dBm)	(dB)
20	10.04	20.90	22.37	15.91	1.85	0.30	37.55	17.81	8.52
100	10.40	20.46	25.45	27.42	1.74	0.31	39.81	18.85	8.31
220	10.43	20.45	24.27	32.02	1.73	0.31	39.26	18.80	8.31
300	10.41	20.47	24.68	33.08	1.74	0.31	39.26	18.92	8.35
420	10.33	20.52	26.03	29.77	1.76	0.31	38.82	18.96	8.39
620	10.32	20.49	24.71	26.66	1.76	0.31	38.10	18.95	8.42
820	10.22	20.57	24.40	25.06	1.78	0.30	37.60	18.90	8.45
1000	10.17	20.58	23.63	24.09	1.79	0.30	37.20	18.57	8.47
1220	10.07	20.64	22.82	22.73	1.81	0.29	36.78	18.56	8.48
1420	9.98	20.67	22.57	21.72	1.83	0.29	36.53	18.53	8.48
1500	9.93	20.70	22.26	21.15	1.84	0.28	36.42	17.44	8.49
1620	9.87	20.72	21.96	20.58	1.85	0.28	36.41	18.47	8.49
1820	9.76	20.77	21.43	19.79	1.88	0.27	35.78	18.84	8.51
2000	9.67	20.82	20.82	19.16	1.90	0.27	35.44	18.63	8.52
2020	9.65	20.86	20.81	19.03	1.91	0.27	35.35	19.20	8.52
2220	9.53	20.90	20.42	18.33	1.93	0.26	35.13	19.25	8.55
2420	9.41	20.93	20.18	17.57	1.95	0.25	34.77	19.06	8.57
2620	9.29	21.01	19.82	17.15	1.98	0.25	34.47	19.23	8.60
2820	9.18	21.04	19.42	16.88	2.01	0.24	34.30	18.98	8.63
3000	9.08	21.15	19.46	16.45	2.05	0.23	34.02	18.92	8.59
3020	9.07	21.13	19.44	16.58	2.05	0.23	33.97	19.07	8.59
3420	8.85	21.28	19.97	15.71	2.12	0.22	33.29	18.71	8.55
3820	8.66	21.35	21.40	15.79	2.18	0.22	33.00	18.70	8.61
4000	8.57	21.39	22.16	15.50	2.21	0.22	32.82	18.54	8.66
4020	8.56	21.40	22.39	15.55	2.22	0.22	32.80	18.56	8.66
4220	8.46	21.43	22.15	15.56	2.25	0.21	32.66	18.13	8.72
4420	8.37	21.48	21.90	15.32	2.28	0.21	32.24	18.21	8.77
4620	8.26	21.51	20.60	15.37	2.31	0.21	31.97	18.05	8.84
4820	8.11	21.58	18.57	14.83	2.35	0.21	31.60	18.01	8.90
5000	7.96	21.65	16.73	14.36	2.38	0.21	31.45	17.84	8.97
5020	7.95	21.66	16.57	14.28	2.39	0.21	31.34	17.58	8.98
5220	7.77	21.73	15.02	13.58	2.42	0.21	31.08	17.51	9.06
5620	7.35	21.90	12.33	12.09	2.47	0.22	30.59	17.05	9.25
5820	7.06	22.05	10.81	11.01	2.49	0.22	30.45	16.81	9.40
6000	6.77	22.19	9.74	10.31	2.52	0.23	30.02	16.38	9.53
6020	6.73	22.22	9.60	10.11	2.52	0.23	30.01	16.45	9.54
6220	6.40	22.36	8.83	9.48	2.55	0.24	29.78	16.09	9.68
6420	6.01	22.55	7.95	8.98	2.59	0.24	29.59	15.62	9.81
6620	5.57	22.76	7.15	8.31	2.61	0.25	29.18	15.38	10.01
6820	5.11	22.94	6.48	7.98	2.65	0.25	29.12	15.30	10.21
7000	4.71	23.06	6.23	7.93	2.74	0.25	28.84	15.04	10.34

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