

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 = 45mA, 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)
650	20.96	27.21	10.56	14.39	1.19	0.53	30.86	15.70	0.66
680	20.75	26.72	12.10	16.10	1.19	0.53	30.64	16.00	0.69
700	20.59	26.45	13.29	17.05	1.19	0.52	31.72	16.17	0.68
740	20.19	26.01	15.62	18.03	1.19	0.52	32.96	16.52	0.59
760	19.96	25.82	16.73	18.14	1.20	0.51	33.19	16.59	0.52
780	19.74	25.63	18.11	18.00	1.21	0.51	33.55	16.60	0.53
800	19.51	25.46	19.32	17.77	1.21	0.50	32.86	16.68	0.49
810	19.41	25.37	19.99	17.62	1.21	0.50	32.77	16.68	0.52
824	19.24	25.28	20.87	17.43	1.22	0.49	31.86	16.68	0.49
830	19.17	25.23	21.35	17.33	1.22	0.49	31.61	16.70	0.54
840	19.07	25.17	22.37	17.23	1.23	0.49	32.25	16.78	0.49
850	18.95	25.09	22.84	17.05	1.23	0.49	31.81	16.76	0.47
860	18.83	25.02	23.67	16.93	1.24	0.49	32.30	16.79	0.50
870	18.72	24.94	24.50	16.78	1.24	0.48	31.94	16.73	0.53
880	18.61	24.87	25.02	16.65	1.24	0.48	32.79	16.73	0.49
885	18.56	24.83	25.87	16.57	1.24	0.48	33.39	16.75	0.48
890	18.49	24.80	25.97	16.52	1.25	0.48	30.67	16.70	0.47
894	18.46	24.78	26.32	16.48	1.25	0.48	30.92	16.68	0.48
900	18.40	24.74	27.11	16.43	1.25	0.48	30.52	16.79	0.52
905	18.34	24.69	27.18	16.36	1.25	0.48	30.80	16.64	0.51
910	18.29	24.67	28.05	16.27	1.25	0.48	31.19	16.65	0.42
915	18.22	24.63	28.41	16.22	1.25	0.47	30.58	16.69	0.51
920	18.18	24.60	28.95	16.17	1.26	0.47	30.89	16.64	0.47
925	18.12	24.56	29.17	16.10	1.26	0.47	30.90	16.59	0.47
930	18.07	24.53	30.15	16.08	1.26	0.47	32.25	16.65	0.49
935	18.02	24.49	30.30	16.00	1.26	0.47	31.22	16.67	0.44
940	17.98	24.46	30.41	15.95	1.26	0.47	30.96	16.59	0.44
945	17.93	24.43	31.23	15.90	1.26	0.47	30.93	16.68	0.44
950	17.87	24.39	31.94	15.89	1.26	0.47	31.08	16.61	0.44
955	17.81	24.36	32.37	15.81	1.27	0.47	31.82	16.55	0.47
960	17.76	24.33	33.05	15.78	1.27	0.47	31.61	16.59	0.47
980	17.55	24.20	35.48	15.66	1.28	0.46	31.56	16.62	0.45
1000	17.36	24.07	36.68	15.46	1.28	0.46	32.24	16.58	0.46
1040	16.97	23.81	36.75	15.20	1.29	0.45	29.51	16.45	0.52
1060	16.81	23.69	35.23	15.12	1.29	0.45	30.05	16.50	0.52
1080	16.62	23.57	33.68	15.06	1.30	0.45	29.57	16.53	0.55
1100	16.44	23.44	32.52	15.01	1.31	0.45	30.10	16.38	0.48
1160	15.95	23.07	28.67	14.84	1.32	0.44	31.52	16.39	0.43

*The Noise Figure measurement preformed in shielded box.



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 = 45mA, Vd = 5V @Temperature = -40degC

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP3 Output	1dB Comp. Output
					K	Delta		
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Delta	(dBm)	(dBm)
650	21.22	27.20	10.77	13.92	1.17	0.55	31.25	15.93
680	21.02	26.72	12.40	15.61	1.17	0.55	32.95	16.22
700	20.85	26.44	13.66	16.57	1.17	0.54	32.54	16.34
740	20.44	25.98	16.16	17.65	1.18	0.53	34.44	16.67
760	20.21	25.80	17.44	17.81	1.18	0.53	34.80	16.70
780	19.99	25.62	18.81	17.74	1.19	0.52	35.07	16.69
800	19.77	25.45	20.21	17.61	1.19	0.52	34.94	16.73
810	19.65	25.34	21.02	17.46	1.19	0.52	34.78	16.73
824	19.50	25.24	22.01	17.32	1.20	0.51	35.03	16.72
830	19.41	25.20	22.41	17.23	1.20	0.51	35.14	16.74
840	19.31	25.14	23.90	17.14	1.21	0.51	33.71	16.81
850	19.20	25.06	24.51	16.98	1.21	0.51	33.78	16.78
860	19.08	24.98	25.25	16.86	1.21	0.50	34.08	16.79
870	18.96	24.90	26.26	16.72	1.22	0.50	33.99	16.73
880	18.85	24.83	26.91	16.61	1.22	0.50	33.37	16.72
885	18.79	24.80	27.87	16.54	1.22	0.50	33.99	16.74
890	18.75	24.76	28.21	16.50	1.22	0.50	33.20	16.69
894	18.71	24.75	28.46	16.45	1.22	0.50	33.64	16.65
900	18.64	24.70	29.60	16.41	1.23	0.49	33.01	16.70
905	18.58	24.65	29.71	16.34	1.23	0.49	33.03	16.63
910	18.53	24.63	30.78	16.24	1.23	0.49	33.04	16.64
915	18.47	24.59	31.47	16.21	1.23	0.49	32.97	16.61
920	18.42	24.56	31.99	16.16	1.23	0.49	33.25	16.58
925	18.37	24.52	32.80	16.08	1.23	0.49	34.16	16.53
930	18.32	24.49	34.00	16.04	1.24	0.49	32.51	16.61
935	18.26	24.45	34.50	15.96	1.24	0.49	33.51	16.62
940	18.21	24.42	34.72	15.90	1.24	0.49	32.85	16.51
945	18.16	24.39	36.12	15.84	1.24	0.49	31.99	16.61
950	18.11	24.35	37.83	15.83	1.24	0.49	32.71	16.54
955	18.06	24.32	38.80	15.73	1.24	0.48	32.87	16.48
960	18.00	24.29	40.19	15.69	1.24	0.48	32.13	16.51
980	17.79	24.15	45.32	15.52	1.25	0.48	32.89	16.55
1000	17.60	24.02	43.17	15.29	1.25	0.48	31.96	16.49
1020	17.40	23.89	40.20	15.20	1.26	0.47	31.11	16.38
1040	17.21	23.77	35.69	15.04	1.27	0.47	32.28	16.38
1060	17.04	23.64	34.26	14.97	1.27	0.47	31.37	16.37
1080	16.85	23.52	32.27	14.93	1.28	0.46	31.21	16.44
1100	16.67	23.39	31.29	14.91	1.28	0.46	30.29	16.27
1110	16.59	23.33	30.10	14.92	1.28	0.46	30.15	16.34
1140	16.34	23.14	28.72	14.92	1.29	0.46	30.84	16.31
1160	16.18	23.02	27.72	14.94	1.29	0.46	31.56	16.29

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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 = 45mA, Vd = 5V @Temperature = +85degC

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP3 Output	1dB Comp. Output
					K	Delta		
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Delta	(dBm)	(dBm)
650	20.77	27.17	10.31	14.76	1.20	0.52	30.10	14.99
680	20.57	26.70	11.79	16.68	1.20	0.52	31.07	15.39
700	20.42	26.42	12.87	17.77	1.19	0.52	32.13	15.51
740	20.02	25.99	15.12	18.80	1.20	0.51	32.73	16.39
760	19.78	25.81	16.18	18.78	1.21	0.50	33.19	16.47
780	19.57	25.63	17.47	18.48	1.22	0.49	34.91	16.52
800	19.34	25.47	18.68	18.11	1.23	0.49	32.77	16.60
810	19.23	25.38	19.29	17.84	1.23	0.49	31.98	16.60
824	19.08	25.28	20.07	17.56	1.23	0.48	32.02	16.62
830	19.00	25.23	20.48	17.42	1.23	0.48	32.49	16.65
840	18.89	25.17	21.60	17.25	1.24	0.48	33.79	16.75
850	18.78	25.09	22.07	17.01	1.24	0.48	33.44	16.74
860	18.66	25.02	22.67	16.82	1.25	0.47	30.36	16.77
870	18.55	24.95	23.46	16.64	1.25	0.47	30.84	16.76
880	18.44	24.88	23.97	16.48	1.25	0.47	31.60	16.71
885	18.38	24.85	24.77	16.37	1.26	0.47	30.80	16.75
890	18.32	24.81	24.79	16.31	1.26	0.47	31.03	16.67
894	18.29	24.79	25.09	16.26	1.26	0.47	31.86	16.61
900	18.22	24.75	25.79	16.19	1.26	0.47	32.28	16.71
905	18.17	24.71	25.95	16.10	1.26	0.47	31.98	16.58
910	18.11	24.68	26.60	16.00	1.27	0.46	32.19	16.56
915	18.05	24.65	27.03	15.94	1.27	0.46	32.30	16.60
920	18.01	24.62	27.33	15.88	1.27	0.46	32.60	16.50
925	17.96	24.59	27.78	15.80	1.27	0.46	32.64	16.52
930	17.90	24.56	28.51	15.77	1.27	0.46	31.30	16.59
935	17.84	24.51	28.86	15.68	1.27	0.46	32.70	16.59
940	17.80	24.48	28.89	15.61	1.27	0.46	32.92	16.51
945	17.75	24.45	29.57	15.56	1.28	0.46	33.84	16.51
950	17.70	24.42	30.29	15.53	1.28	0.46	33.65	16.59
955	17.64	24.39	30.61	15.45	1.28	0.46	33.93	16.54
960	17.59	24.35	31.29	15.40	1.28	0.46	34.84	16.56
980	17.38	24.23	33.51	15.24	1.29	0.45	34.03	16.60
1000	17.19	24.10	35.09	15.01	1.29	0.45	29.68	16.57
1020	16.99	23.97	37.40	14.90	1.30	0.44	29.21	16.46
1040	16.80	23.85	37.57	14.73	1.31	0.44	29.79	16.45
1060	16.64	23.72	36.07	14.64	1.31	0.44	30.50	16.51
1080	16.46	23.61	34.76	14.57	1.32	0.44	30.67	16.54
1100	16.27	23.48	33.55	14.49	1.32	0.43	31.66	16.41
1110	16.20	23.42	32.25	14.46	1.32	0.43	32.36	16.41
1140	15.95	23.24	30.43	14.37	1.33	0.43	31.84	16.38
1160	15.78	23.12	29.34	14.31	1.33	0.43	32.83	16.35

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