

Low Noise Amplifier

TO-0812LN+

Typical Performance Data

FREQUENCY (MHz)	GAIN (dB)			DIRECTIVITY (dB)			VSWR IN (:1) 15V	VSWR OUT (:1) 15V	NOISE FIGURE (dB) 15V	Pout at 1dB Comp. (dBm) 15V
	12V	15V	16V	12V	15V	16V				
800.0	25.24	26.21	26.52	25.41	25.15	25.41	2.21	1.84	0.97	9.27
810.0	25.29	26.26	26.56	25.25	24.70	25.25	2.13	1.81	0.95	9.41
820.0	25.34	26.30	26.59	24.81	24.50	24.81	2.07	1.78	0.94	9.43
830.0	25.38	26.34	26.63	24.72	24.29	24.72	2.01	1.75	0.92	9.61
840.0	25.42	26.37	26.66	24.48	23.99	24.48	1.95	1.72	0.92	9.59
850.0	25.45	26.39	26.68	24.15	23.86	24.15	1.90	1.69	0.92	9.74
860.0	25.48	26.41	26.70	23.84	23.54	23.84	1.85	1.67	0.92	9.69
870.0	25.51	26.43	26.72	23.82	23.30	23.82	1.81	1.64	0.90	9.83
880.0	25.54	26.45	26.73	23.73	23.45	23.73	1.77	1.62	0.91	9.89
890.0	25.55	26.46	26.74	23.56	23.15	23.56	1.73	1.60	0.91	9.93
900.0	25.57	26.47	26.75	23.16	22.93	23.16	1.70	1.58	0.92	9.88
910.0	25.58	26.48	26.75	23.19	22.89	23.19	1.67	1.57	0.90	9.92
920.0	25.60	26.48	26.76	23.09	22.79	23.09	1.64	1.55	0.90	10.08
930.0	25.62	26.49	26.76	22.66	22.65	22.66	1.62	1.54	0.90	10.08
940.0	25.64	26.50	26.77	22.43	22.31	22.43	1.60	1.53	0.90	10.12
950.0	25.65	26.51	26.77	22.43	22.37	22.43	1.59	1.52	0.90	10.22
960.0	25.66	26.51	26.77	22.25	22.25	22.25	1.58	1.51	0.90	10.37
970.0	25.67	26.51	26.77	22.26	22.05	22.26	1.57	1.50	0.91	10.43
980.0	25.68	26.52	26.77	21.99	22.01	21.99	1.57	1.48	0.88	10.39
990.0	25.69	26.52	26.78	21.99	22.14	21.99	1.57	1.47	0.89	10.50
1000.0	25.70	26.53	26.78	21.75	21.94	21.75	1.57	1.46	0.92	10.46
1010.0	25.72	26.54	26.79	21.68	21.59	21.68	1.57	1.45	0.88	10.49
1020.0	25.74	26.55	26.80	21.81	21.47	21.81	1.58	1.44	0.92	10.62
1030.0	25.75	26.56	26.81	21.43	21.36	21.43	1.59	1.43	0.93	10.56
1040.0	25.76	26.57	26.82	21.30	21.13	21.30	1.60	1.43	0.92	10.70
1050.0	25.78	26.59	26.83	21.13	21.18	21.13	1.61	1.42	0.90	10.68
1060.0	25.80	26.60	26.85	21.02	20.88	21.02	1.63	1.41	0.90	10.68
1070.0	25.82	26.62	26.86	20.81	20.85	20.81	1.64	1.41	0.90	10.84
1080.0	25.83	26.63	26.87	20.61	20.80	20.61	1.66	1.40	0.88	10.87
1090.0	25.85	26.64	26.88	20.63	20.73	20.63	1.68	1.40	0.86	10.84
1100.0	25.85	26.65	26.89	20.54	20.51	20.54	1.71	1.40	0.88	10.88
1110.0	25.87	26.67	26.91	20.53	20.52	20.53	1.73	1.39	0.86	10.90
1120.0	25.89	26.68	26.93	20.21	20.25	20.21	1.76	1.39	0.85	11.02
1130.0	25.91	26.70	26.95	20.17	20.20	20.17	1.79	1.39	0.86	11.05
1140.0	25.94	26.72	26.97	20.06	20.13	20.06	1.82	1.39	0.84	11.05
1150.0	25.96	26.74	26.98	20.06	20.16	20.06	1.85	1.39	0.85	10.95
1160.0	25.98	26.76	27.00	19.89	19.95	19.89	1.88	1.39	0.84	11.05
1170.0	25.99	26.78	27.02	19.68	19.83	19.68	1.91	1.39	0.85	10.95
1180.0	26.00	26.79	27.04	19.61	19.79	19.61	1.94	1.39	0.83	11.02
1190.0	26.02	26.81	27.05	19.67	19.61	19.67	1.97	1.39	0.83	11.03
1200.0	26.03	26.83	27.07	19.55	19.55	19.55	2.01	1.39	0.82	10.95

REV. X1

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