

Coaxial Low Noise Amplifier

ZEL-0812LN

50Ω 800 to 1200 MHz

Features

- very low noise, 1.5 dB max.
- wideband, 800 to 1200 MHz
- rugged, shielded case

Applications

- UHF
- cellular
- PCS/GSM



CASE STYLE: EEE132

Connectors	Model	Price	Qty.
SMA	ZEL-0812LN	\$274.95 ea.	(1-9)

Low Noise Amplifier Electrical Specifications

MODEL NO.	FREQUENCY (MHz)		NOISE FIGURE (dB)	GAIN (dB)		MAXIMUM POWER (dBm)		INTERCEPT POINT (dBm)	VSWR (:1) Max.		DC POWER	
	f_L	f_U		Max.	Min.	Flatness Max.	Output (1 dB Compr.) Typ.		Input (no damage)	IP3 Typ.	In	Out
ZEL-0812LN	800	1200	1.5	20	±1.0	+8	+13	+18	2.5	2.5	15	70

Noise Figure specified at room temperature, increases to 2 dB typical at +85°C

Open load is not recommended, potentially can cause damage.

With no load derate max input power by 20 dB

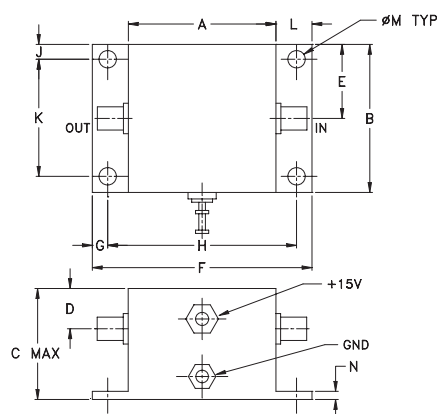
Maximum Ratings

Operating Temperature -54°C to 85°C

Storage Temperature -55°C to 100°C

DC Voltage +17V Max.

Outline Drawing



Outline Dimensions (inch/mm)

A	B	C	D	E	F	G	H	J	K	L	M	N	wt
.90	.90	.675	.245	.45	1.34	.09	1.152	.09	.712	.22	.106	.05	grams
22.86	22.86	17.15	6.22	11.43	34.04	2.29	29.26	2.29	18.08	5.59	2.69	1.27	50.0



P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 Fax (718) 332-4661 For detailed performance specs & shopping online see Mini-Circuits web site



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IF/RF MICROWAVE COMPONENTS

FREQUENCY (MHz)	GAIN (dB)			DIRECTIVITY (dB)			VSWR (:1)		NOISE FIGURE (dB)	POUT at 1 dB COMPR. (dBm)
	12V	15V	16V	12V	15V	16V	IN	OUT		
800.00	24.02	25.00	25.24	10.80	10.00	9.70	1.88	1.77	1.43	14.93
829.00	23.91	24.86	25.11	10.70	10.10	10.20	1.83	1.71	1.41	14.82
869.20	23.78	24.69	24.92	10.90	10.30	10.10	1.82	1.67	1.40	14.78
911.50	23.52	24.40	24.64	10.90	10.50	10.60	1.81	1.59	1.39	14.73
953.80	23.31	24.19	24.41	11.10	10.70	10.50	1.80	1.57	1.33	14.85
994.90	23.13	24.01	24.24	11.40	10.90	10.40	1.78	1.53	1.31	14.97
1046.20	23.05	23.93	24.15	11.10	11.00	10.50	1.73	1.50	1.27	14.98
1097.40	23.14	24.02	24.27	11.00	10.70	10.50	1.65	1.46	1.23	15.25
1148.70	23.41	24.28	24.50	10.30	10.30	10.10	1.53	1.43	1.22	15.39
1200.00	23.81	24.61	24.80	9.60	9.60	9.40	1.40	1.45	1.24	15.20

