Plug-In

Low Noise Amplifier

NEW!

TO-0812LN

800 to 1200 MHz

Maximum Ratings

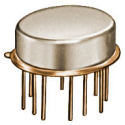
Operating Temperature	-54°C to 85°C
Storage Temperature	-55°C to 100°C

Pin Connections

RF IN	5
RF OUT	11
DC	2
CASE GND	1,3,4,6,7,8,9,10,12

Features

- very low noise, 0.8 dB typ.
- ideal for printed circuit design
- excellent gain flatness
- hermetic sealed



CASE STYLE: QQ96
PRICE: $199.00 ea. QTY (1-9)

Applications

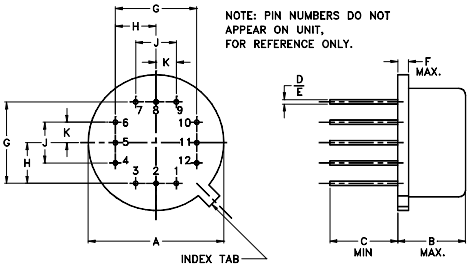
- military

Electrical Specifications

MODEL NO.	FREQ. (MHz)	NF* (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 Comp.) Typ.	Input (no damage)	IP3 Typ.	In	Out	Volt (V)	Current (mA)
TO-0812LN	800-1200	1.2	20	±1.0	+8	+10	+22.5	2.5	2.5	15	70

*NF specified at room temperature, increases to 1.6 dB max. at +85°C

Outline Drawing



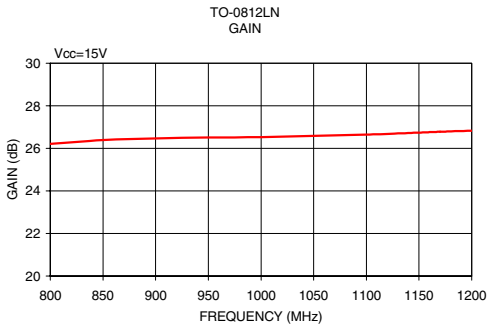
Outline Dimensions (inch / mm)

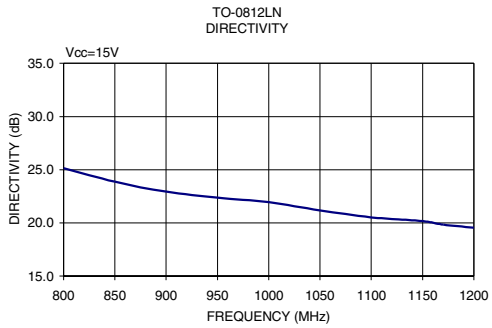
A	B	C	D	E	F	G	H
.600	.250	.25	.016	.020	.04	.400	.200
15.24	6.35	6.35	.41	.51	1.02	10.16	5.08

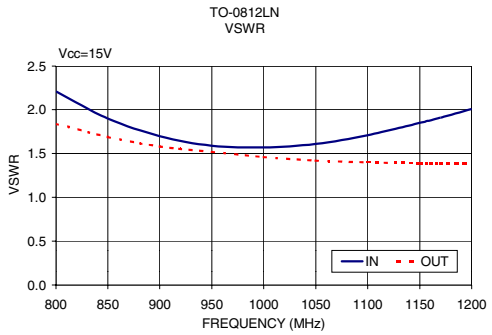
J	K	wt.
.200	.100	grams
5.08	2.54	4.0

Typical Performance Data

Frequency (MHz)	Gain (dB)			Directivity (dB)			VSWR		N.F. (dB)	Pout (dBm) (@1dB COMPR)
	12V	15V	16V	12V	15V	16V	IN	OUT		15V
800.00	25.24	26.21	26.52	25.41	25.15	25.41	2.21	1.84	0.97	9.27
850.00	25.45	26.39	26.68	24.15	23.86	24.15	1.90	1.69	0.92	9.74
900.00	25.57	26.47	26.75	23.16	22.93	23.16	1.70	1.58	0.92	9.88
950.00	25.65	26.51	26.77	22.43	22.37	22.43	1.59	1.52	0.90	10.22
1000.00	25.70	26.53	26.78	21.75	21.94	21.75	1.57	1.46	0.92	10.46
1050.00	25.78	26.59	26.83	21.13	21.18	21.13	1.61	1.42	0.90	10.68
1100.00	25.85	26.65	26.89	20.54	20.51	20.54	1.71	1.40	0.88	10.88
1150.00	25.96	26.74	26.98	20.06	20.16	20.06	1.85	1.39	0.85	10.95
1170.00	25.99	26.78	27.02	19.68	19.83	19.68	1.91	1.39	0.85	10.95
1200.00	26.03	26.83	27.07	19.55	19.55	19.55	2.01	1.39	0.82	10.95







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