

High IP3

Low Noise Amplifier

50Ω

1000 to 2400 MHz

ZRL-2400LN+
ZRL-2400LN



Features

- high IP3, +45 dBm typ.
- low noise figure, 1.2 dB typ.
- broadband flat gain response
- internal voltage regulated
- over-voltage and transient protected

Applications

- PCS, UMTS, GSM, cellular, wireless data
- defense communications
- satellite communications

CASE STYLE: FJ893

Connectors	Model	Price	Qty.
SMA	ZRL-2400LN	\$139.95	(1-9)

+ RoHS compliant in accordance
with EU Directive (2002/95/EC)

The +Suffix identifies RoHS Compliance. See our web site
for RoHS Compliance methodologies and qualifications.

Electrical Specifications at T_{AMB}=25°C

MODEL NO.	FREQUENCY (MHz)		GAIN (dB)				NOISE FIGURE (dB)		MAXIMUM POWER OUTPUT (dBm)			INTERCEPT POINT (dBm) Note 1	VSWR (:1) Typ.		ACTIVE DIRECTIVITY (dB) (Isolation-Gain)	DC VOLTAGE @ Pin V+ (V) Nom. Note 2	DC OPERATING CURRENT @ Pin V+ (mA)	
	Flatness				Saturated at (1 dB Compr.) 3dB Compr.			IP3	In	Out	Typ.	Typ.	Max.					
	f _L	f _u	Typ.	Min.	Typ.	Max.	Typ.	Max.	Typ.	Min.	Typ.	Typ.					Typ.	Max.
ZRL-2400LN(+)	1000	2400																
	1000	1400	31	28	±1.6	±2.0	1.2	2.0	23	21	25.3	+45	1.50	1.35	13	12	424	500
	1400	1900	27	24	±1.8	±2.2	1.0	1.4	24	23	26.0	+44	1.15	1.25	16	12	424	500
	1900	2400	25	23	±1.0	±2.0	1.2	1.4	24	23	26.0	+45	1.20	1.30	16	12	424	500

1. 1MHz tone spacing

2. Unit is internally voltage regulated for 6.5 to 17VDC input voltage range.

Maximum Ratings

Operating Temperature -40°C to 80°C case

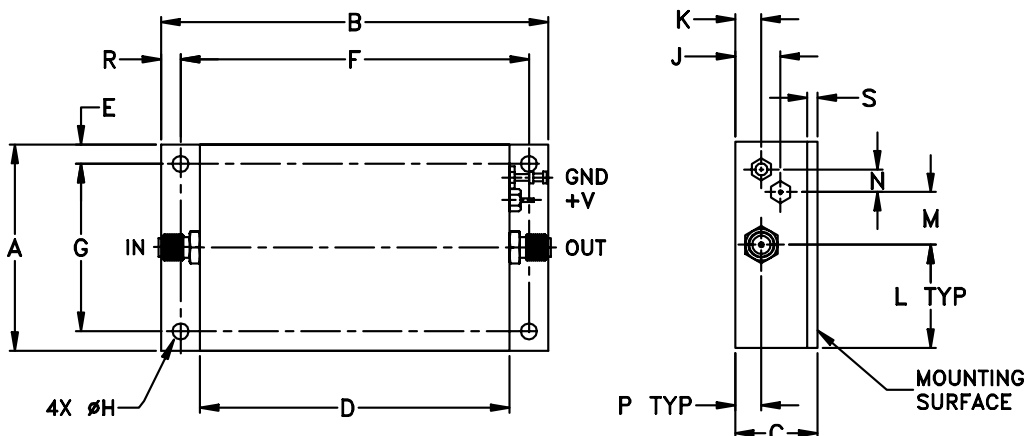
-40°C to 60°C ambient

Storage Temperature -55°C to 100°C

DC Voltage +17V Max.

Input Power (no damage) +10 dBm

Outline Drawing



Outline Dimensions (inch mm)

A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S	wt
2.00	3.75	0.80	3.00	0.19	3.37	1.62	0.16	0.44	0.26	1.00	0.51	0.22	0.26	--	0.19	0.10	grams
50.80	95.25	20.32	76.20	4.83	85.70	41.25	3.96	11.18	6.60	25.40	12.95	5.59	6.60	--	4.83	2.54	135



INTERNET <http://www.minicircuits.com>

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Mini-Circuits ISO 9001 & ISO 14001 Certified

REV. F
M98898
ZRL-2400LN
EDB020608
BLUE C/TD/CP/AM
060301
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Typical Performance Data/Curves

ZRL-2400LN+ ZRL-2400LN

