High IP3

Low Noise Amplifier

50Ω 1000 to 2400 MHz

NEW!

ZRL-2400LN

BLUE CELL™

CASE STYLE: FJ893
PRICE: $139.95 ea. QTY (1-9)

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.

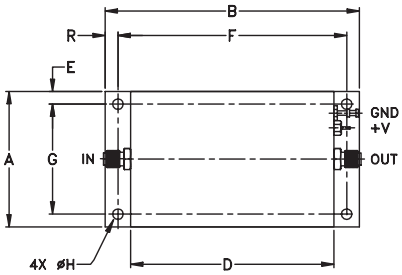
Features

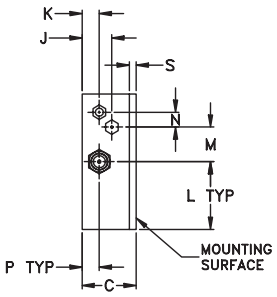
- high IP3, +45 dBm typ.
- low noise figure, 1.2 dB typ.
- broadband flat gain response
- internal voltage regulated
- over voltage and transient protected

Applications

- very low noise
- high dynamic range
- PCS, UMTS, GSM , cellular, wireless data
- defense communications
- satellite communications

Outline Drawing





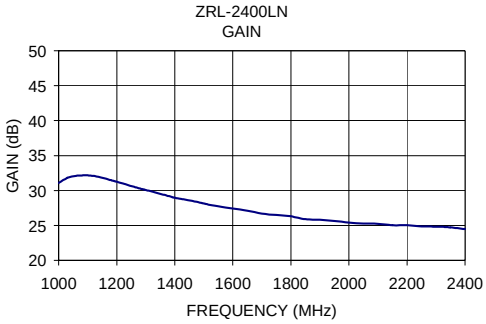
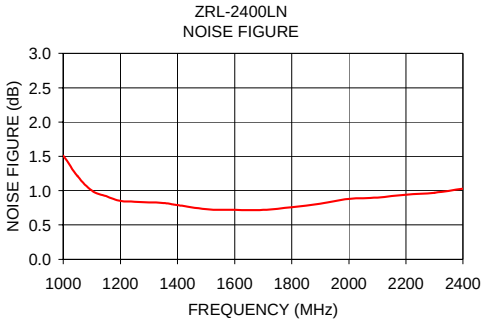
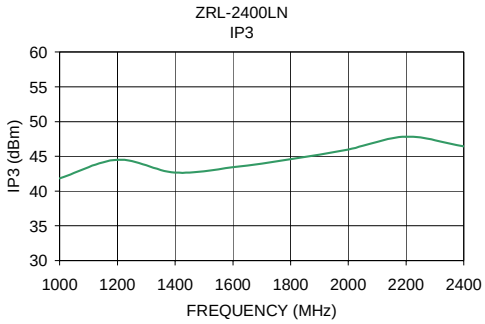
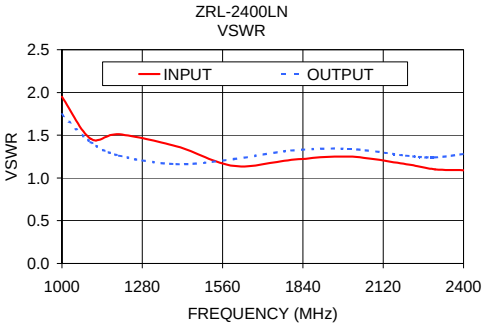
Outline Dimensions (inch / mm)

A	B	C	D	E	F	G	H	J
2.00	3.75	.80	3.00	.19	3.374	1.624	.156	.44
50.80	95.25	20.32	76.20	4.83	85.70	41.25	3.96	11.18

K	L	M	N	P	Q	R	S	wt.
.26	1.00	.51	.22	.26	—	.19	.10	grams
6.60	25.40	12.95	5.59	6.60	—	4.83	2.54	135

Electrical Specifications (T_{AMB}=25°C)

FREQ. RANGE (MHz)	GAIN (dB)				NOISE FIGURE (dB)		MAXIMUM POWER (dBm)			INTER-CEPT POINT	VSWR (:1) Typ.		DIRECTIVITY (dB)	DC POWER	
			Flatness				Output (1 dB Comp.)		Input (no damage)	IP3 dBm Typ.*				Volt[1]	Max. Current
f_L - f_U	Typ.	Min.	Typ.	Max.	Typ.	Max.	Typ.	Min.		Typ.	In	Out	Typ.	Typ.	(mA)
1000-2400															
1000-1400	31	28	±1.6	±2.0	1.2	2.0	23	21	+10	45	1.50	1.35	13	12	500
1400-1900	27	24	±1.8	±2.2	1.0	1.4	24	23	+10	44	1.15	1.25	16	12	500
1900-2400	25	23	±1.0	±2.0	1.2	1.4	24	23	+10	45	1.20	1.30	16	12	550

* 1MHz tone spacing

[1] Other voltages available in the 6.5 to 17V range, please contact factory.