



Blue Tops RF Modules > Low Noise Voltage Regulator

Features:

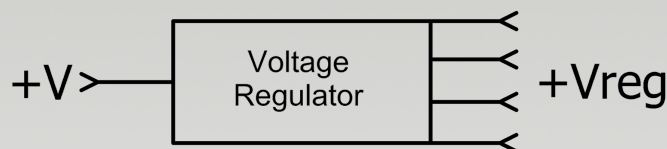
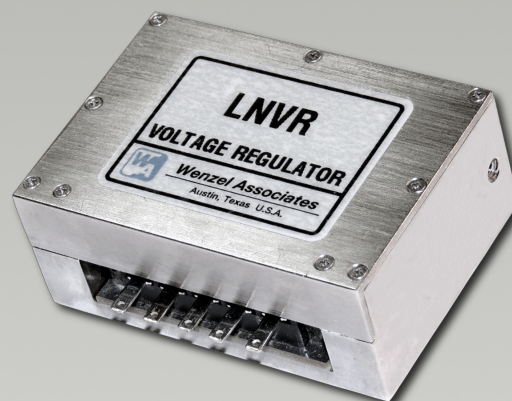
- Low nV/Root-Hz
- Current Loads up to 1 Amp
- Rugged Modular Design
- Multiple Output Tabs

Applications:

- Synthesizer Building Block
- Communication Systems
- Radar Systems
- Electronic Warfare Systems

Description:

The LNVR module is a low noise voltage regulator designed to provide excellent power supply spurious rejection when clean DC voltage is required for modules used in low noise applications. The compact modular package is designed for use in sub-systems and instruments, but can be used for bench top applications as well. Please consult our technical staff for assistance in configuring an LNVR module to meet your needs.



Electrical Specifications

Input Voltage (fixed, specify)	+5 VDC to +28 VDC
Input Voltage Tolerance (specify)	1 to 10%
Output Voltage (fixed, specify)	+2.5 VDC to +25 VDC
Current Draw *	0.05 to 1 Amp
Protection Circuits	Over Voltage and Reverse Voltage
Operating Temperature	0 to +50°C
Storage Temperature	-40 to +85°C

Mechanical

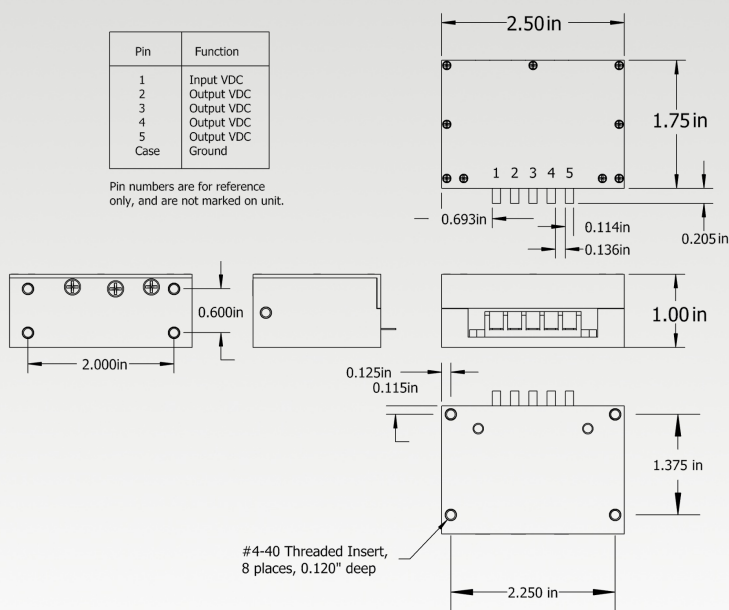
Dimensions	1.75" x 2.5" x 1"
Package	Nickel-Plated Machined Aluminum
Mounting **	#4-40 Threaded Inserts, 8 Places
DC Input/Outputs: (1) Input; (4) Outputs	Lug Tabs
Ground	External Case is Ground

* Current will vary depending on voltage levels, differential and input voltage tolerance. Consult factory for assistance in configuring a regulator that meets your needs.

** Two mounting surface options are available. The 2.5" x 1" surface will offer the best thermal dissipation. The addition of heat sinks on the opposite side of the mounting surface will provide additional heat dissipation, but may not be necessary.

Pin	Function
1	Input VDC
2	Output VDC
3	Output VDC
4	Output VDC
5	Output VDC
Case	Ground

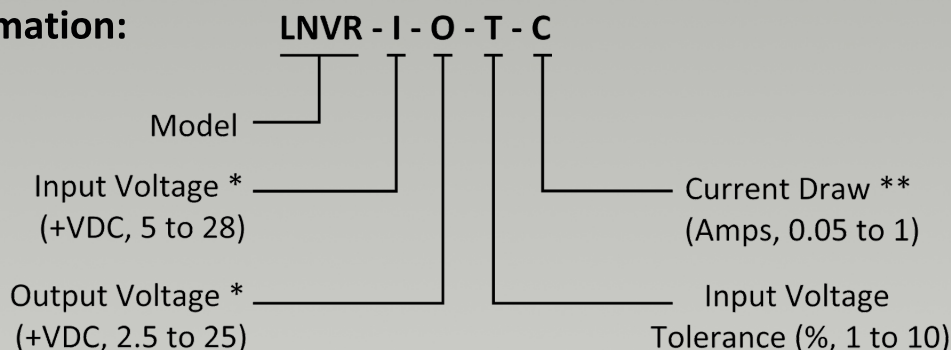
Pin numbers are for reference only, and are not marked on unit.





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Ordering Information:



* Other voltages may be acceptable, including negative supply voltages. Consult factory to confirm capabilities.

** Current will vary depending on voltage levels, differential and input voltage tolerance. Consult factory for assistance in configuring a regulator that meets your needs.

Example:

$I_{out} \leq 1$ amp under the following conditions:

- Input to Output Differential > 3 VDC
- Input Voltage Tolerance < 5%

Standard P/N	Input Voltage	Output Voltage	Input Voltage Tolerance	Current Draw
LNVR-28-15-5-1	+28 VDC	+15 VDC	±5%	1 Amp
LNVR-24-15-5-1	+24 VDC	+15 VDC	±5%	1 Amp
LNVR-20-15-5-1	+20 VDC	+15 VDC	±5%	1 Amp
LNVR-20-12-5-1	+20 VDC	+12 VDC	±5%	1 Amp
LNVR-18-15-2-1	+18 VDC	+15 VDC	±2%	1 Amp
LNVR-15-12-2-1	+15 VDC	+12 VDC	±2%	1 Amp
LNVR-15-5-5-0.5	+15 VDC	+5 VDC	±5%	500 mA
LNVR-10-5-2-0.5	+10 VDC	+5 VDC	±2%	500 mA
LNVR-8-3.3-2-0.25	+8 VDC	+3.3 VDC	±2%	250 mA
LNVR-5-2.5-2-0.25	+5 VDC	+2.5 VDC	±2%	250 mA

