LVC Series

DC Step Down Voltage Converter Specifications

Project_____

Date_____Type_____

LVC-12V5-10A

Voltage 12 VDC

Voltage 5 VDC

IP68

2 yr WARRANTY

Available Models[1]

- ☐ LVC-12V5-3A
- ☐ LVC-12V5-10A

Part Number Breakdown

Example: LVC-12V5-10A

Series	Input Voltage	Output Voltage	Max. Load
LVC [Low-Voltage Converter]	**12V** [12 VDC]	**5** [5 VDC]	**3A** [3 amps]
			10A [10 amps]

Overview

The 12V to 5V waterproof step-down voltage reducer converts a 12 VDC input to a 5 VDC output for various lighting applications. It is ideal for use with 12 VDC lighting products for vehicle lighting projects. The fully potted case has built-in mounting tabs. It is available in 3 amp or 10 amp max loads. All input and output wires have stripped tinned leads.

Features

- IP68 Waterproof
- Reduces 12 VDC to 5 VDC
- High conversion efficiency up to 95%

Product Details

- Aluminum enclosure
- Waterproof IP68 rating
- Built-in mounting tabs
- Electrical shock protection

Warranty

- 2-year warranty

T 866.201.2238
F 314.972.6202
www.superbrightleds.com
email: commercialsales@superbrightleds.com

[1]Contact customer service if interested in other options.

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Specifications are subject to change without notice.

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Specifications

Model	LVC-12V5-3A	LVC-12V5-10A
OUTPUT		
Output Voltage	5 VDC	
Output Power (max)	15W	50W
Output Current (max)	3A	10A
INPUT		
Input Voltage	12 VDC	
Efficiency (max)	96%	95%
Leakage Current	10-15mA	
PROTECTIONS		
Type	Overcurrent, Overvoltage, Short Circuit	
ENVIRONMENTAL		
IP Rating	IP67	
Environmental Rating	Waterproof	
Operating Temperature[2]	-40 to 80°C (-40 to 176°F)	
MECHANICAL		
Connection Type	Pigtail (I/O)	
Housing Material	Epoxy Sealed Flame Retardant Plastic	
Cooling Type	Free Air Convection	
Rectification	Synchronous Rectification	

[2]If ambient temperature exceeds 40°C reduce power use or improve heat dissipation.

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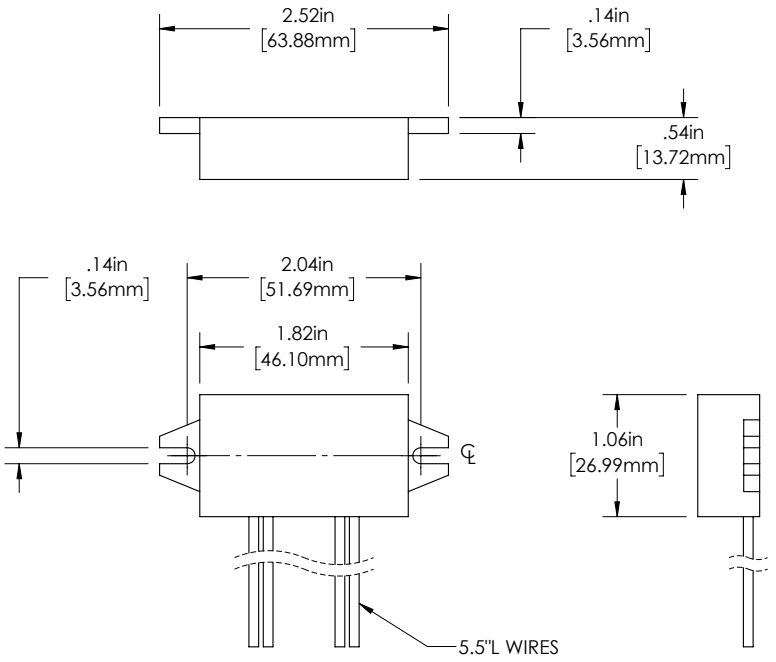
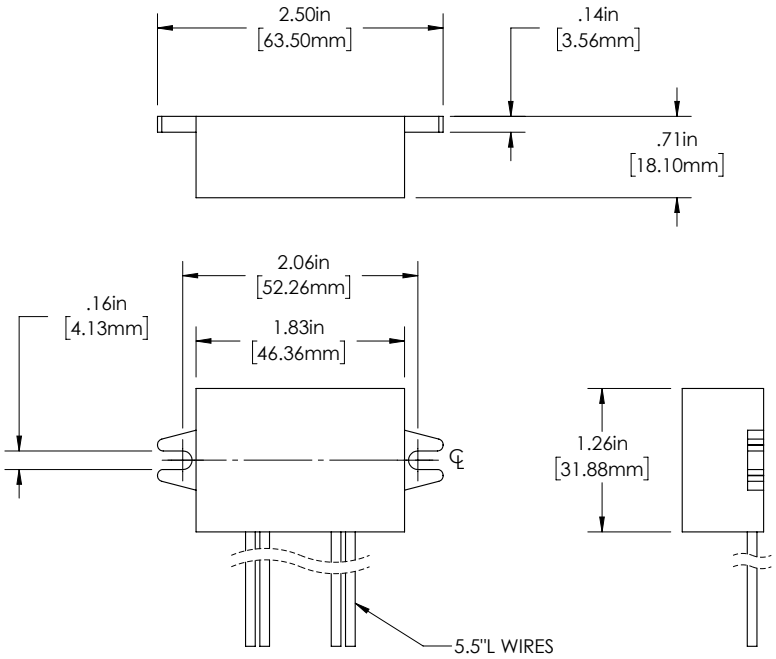
Dimensional Drawings

LVC-12V5-3A



LVC-12V5-10A



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