

ALCC010/015 DC-to-DC LED DRIVER SERIES

IP67 CONSTANT CURRENT LED DRIVER WITH DC INPUT

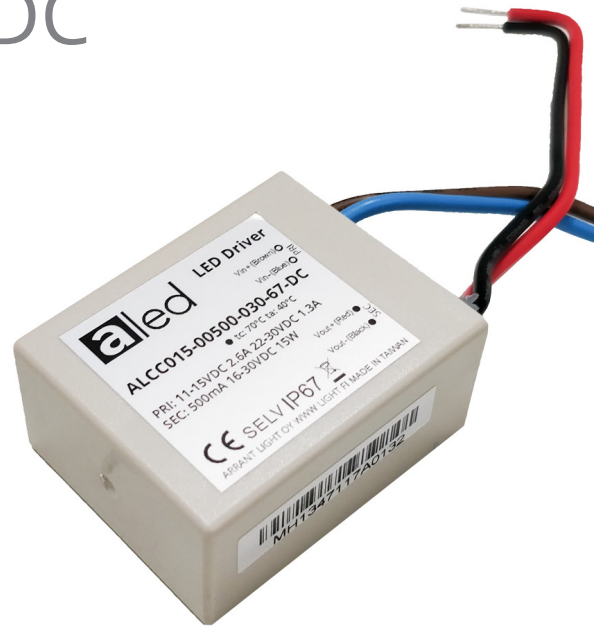
ALCC010-00350-030-67-DC
ALCC015-00xxx-0xx-67-DC

FEATURES

- Universal DC Input 11-15VDC and 22-30VDC
- Constant Current Design
- Operation from -20°C ~40°C Full Load (Room TEMP).
- Cooling by Free Air Convection
- Protections: SCP / UVLO / OVP / Reverse Input Power Protection
- IP67 Design

APPLICATION

This LED driver is suitable for a wide range of scenarios – in particular for lighting systems on boats, vehicles and vessels. It works well with a variety of lower voltage power sources in which the voltage level may fluctuate significantly, including 12VDC, 24VDC, battery power and solar power.



CE **FC** **IP67**

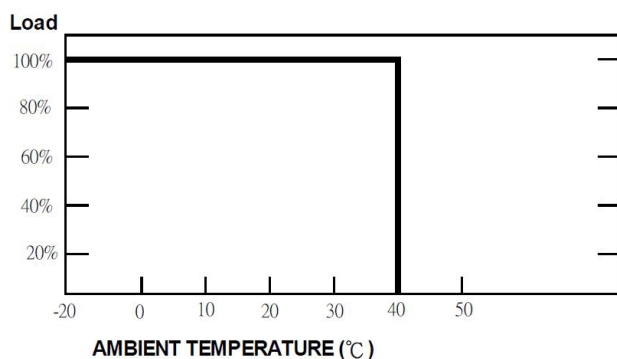
Technical Data

Product Code		ALCC010-00350-030-67-DC	ALCC015-00500-030-67-DC	ALCC015-00700-025-67-DC	ALCC015-00350-040-67-DC
Output	DC Output Current	350mA±10%	500mA±10%	700mA±10%	350mA±10%
	LED Operation Voltage	16 - 30V	16 - 30V	16 - 25V	30-40V
	Rated Power	10.5W	15W	17.5W	14W
Input	Voltage Range	11-15V DC / 22-30VDC			
	DC Current (Max.)	1.6A at 11VDC 0.8A at 22VDC	2.6A at 11VDC 1.3A at 22VDC	2.6A at 11VDC 1.3A at 22VDC	2.6A at 11VDC 1.3A at 22VDC
	Efficiency (TYP.)	>84% at 12/24V DC			
Protections	Short Circuit	Auto-recovery mode			
	Over Voltage / No Load	31.1 - 35V Auto-recovery mode	31.1 - 35V Auto-recovery mode	25.1 - 30V Auto-recovery mode	41 - 45V Auto-recovery mode
	Reverse Input Power	No Output Power			
	UVLO (INPUT UNDER-VOLTAGE LOCKOUT)	9.5 - 10.9V (at input voltage 11-15VDC) 19- 21.8V (at input voltage 22-30VDC)			
Environment	Operation Temp.	-20°C ~ 40°C			
	Operation Humidity	20% ~ 90% RH non-condensing.			
	Storage Temp.	-40 ~ 80°C			
	Storage Humidity	10% ~ 90% RH			
	Vibration with Packaging	10 - 500 Hz, 2G 10 min. / 1 cycle, period for 60 min. each along X, Y, Z axes.			

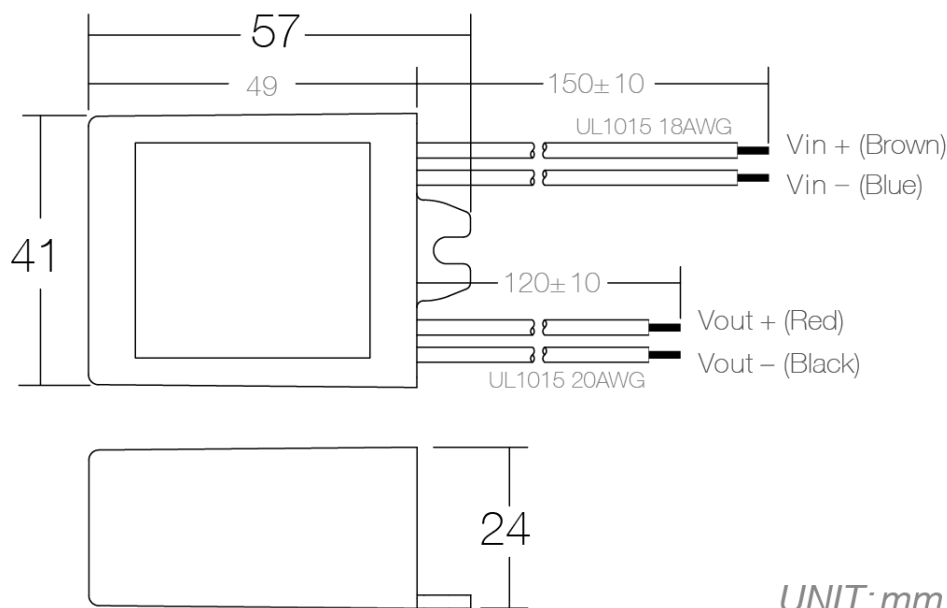
NOTES

All specifications not specially mentioned are measured at 12V DC or 24V DC and 25°C ambient temperature.

Derating Curve



Dimensions



Length	57mm
Width	41mm
Height	24mm
Length of the wires	PRI 150mm / SEC 120mm
Weight	77.4g

Safety

EMS Immunity

Compliance to EN61000

Warranty and Lifetime

Warranty

5 years

MTBF

350K hours min.MIL-HDBK-217F(25°C)

Safety Labels

