

ALCC010 LED DRIVER SERIES

IP67 CONSTANT CURRENT LED DRIVER

ALCC010-xxxx-xxx-67

FEATURES

- Universal AC Input 90~264VAC
- Constant Current Design
- For High Brightness Light-Emitting Diode Products
- Fully Isolated Plastic Case
- Built-in Constant Current Limiting Design
- Operation from -20°C ~ 60°C Full Load
- Protections: OTP / SCP
- Class II Power Design Without Earth Pin
- IP67 Class

APPLICATION

- Indoor and outdoor use



Technical Data

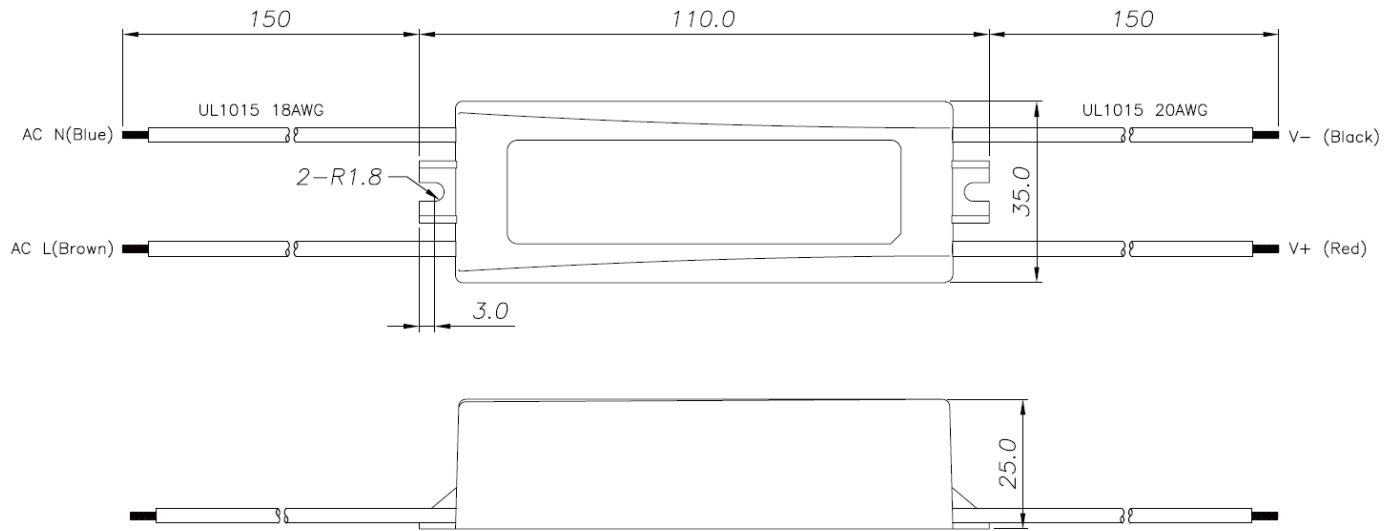
Product Code		ALCC010-01000-012-67	ALCC010-00500-024-67	ALCC010-00350-036-67
Output	DC Voltage	12V	24V	36V
	Rated Current Range	1000mA	500mA	350mA
	Rated Max. Power	12W	12W	12.6W
	Efficiency	81%	83%	83%
	DC Voltage Range	8-12V	14-24V	20-36V
	Current Tolerance	±5%		
	Set up Time (Max)	<500ms at full load		

Product Code		ALCC010-00250-048-67	ALCC010-00230-052-67
Output	DC Voltage	48V	52V
	Rated Current Range	250mA	230mA
	Rated Max. Power	12W	11.96W
	Efficiency	84%	84%
	DC Voltage Range	26-48V	30-52V
	Current Tolerance	±5%	
	Set up Time (Max)	<500ms at full load	
Input	Voltage Range	90VAC ~ 264VAC	
	Frequency Range	47 Hz ~ 63 Hz	
	Power Factor Correction	≥0.88/120VAC , ≥0.8/240VAC	
	AC Current	0.2A at 115VAC / 0.1A at 230VAC	
	Inrush Current	11A at 115VAC / 15A at 230VAC	
	Leakage Current	<0.25mA / 230VAC	
Protections	Over Temperature	Tc : 95°C ± 10°C; Type : Hiccup Mode	
	Short Circuit	Type : Hiccup Mode	
Environment	Operation Temp.	-20°C ~60°C full load. (Refer to output load derating curve)	
	Operation Humidity	20% ~ 95% RH non-condensing	
	Storage Temp.	-40 ~ +80°C	
	Storage Humidity	10% ~ 95% RH	
	Vibration	10 ~ 500 Hz, 2G 10 min. / 1 cycle, period for 60 min. each along X, Y, Z axes.	

NOTES

1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C ambient temperature.
2. Ripple & noise are measured at 20MHZ bandwidth oscilloscope and with 0.1uf & 47uf parallel capacitor.
3. The power supply is considered a component which will be installed a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.

Dimensions



Lenght	110mm
Width	35mm
Height	25mm
Lenght of the wires	150mm
Weight	136.2g

Safety

Safety Standards	meet EN61347-1,EN61347-2-13,UL8750 refer 1310
Withstand Voltage	I/P - O/P: 3.75 KVAC
Isolation Resistance	I/P-O/P :100m ohms / 500VDC at 25°C
EMI Conduction & Radiation	meet EN55015,FCC part15 B
EMS Immunity	meet EN61000-4-2, 3, 4, 5, 6, 8, 11 , EN61547
EMS Immunity	Compliance to EN61000-4 -2,3,4,5,6,8,11; EN61547

Warranty and Lifetime

Warranty	5 years
MTBF	200K hours min.MIL-HDBK-217F(25°C)

Derating Curve

