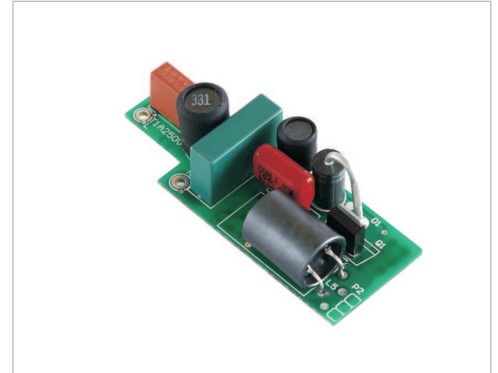


# LBU09A series

9W LED Driver  
Switching Power Supplies

## Features:

- Active Power Factor Correction
- Meet Energy Star 2.0, Efficiency level V
- Single Output
- Constant Output Current
- Non-isolation
- 3 year warranty



## Electrical Characteristics:

Vin	Safety Approvals Input Voltage Range		100~240VAC
	Operate Voltage Range		90~305VAC
fin	Input Frequency		50~60Hz
Po	Output Power Range		See rating chart
Vo	Output Voltage Range		See rating chart
Io	Output Current Range		See rating chart
PF	Power Factor Correction	Io=Full Load, Vin=230VAC	0.7 (min.)
Iih	Input Current (High Line)	Io=Full load, Vin=240VAC	0.1A (max.)
Ir	Inrush Current (High Line)	Io=Full Load, 25°C, Vin=240VAC	10A (max.)
Eff	Efficiency	Io=Full Load, Vin=230VAC	85% (min.)
Ts	Start Up Time	Io=Full Load, Vin=180VAC	1S (max.)
Vp-p	Ripple & Noise (Peak to Peak)	Full Load, Vin=110VAC	5Vp-p (max.)
Iik	Leakage Current	Io=Full Load, Vin=240VAC	0.5mA (max.)
OLP	Over Load Protection		110~150%
REG-i	Line Regulation	Io=Full Load	1% (max.)
REG-o	Load Regulation	Vin=230VAC	10% (max.)
Th	Hold-Up Time	Io=Full Load, Vin=220VAC	1mS (min.)
CE	Meet EN55015		
EMI	Meet EN61000-3-2/EN61000-3-3		
EMS	Meet EN61547/EN61000-4-2/EN6100-4-3/EN61000-4-4/EN61000-4-5/EN61000-4-6/ EN61000-4-8/EN61000-4-11		
Safety	Meet En61347		

## Application:

- LED lighting

## Safety Approvals:

**RoHS2**  
2011/65/EU

## Environmental

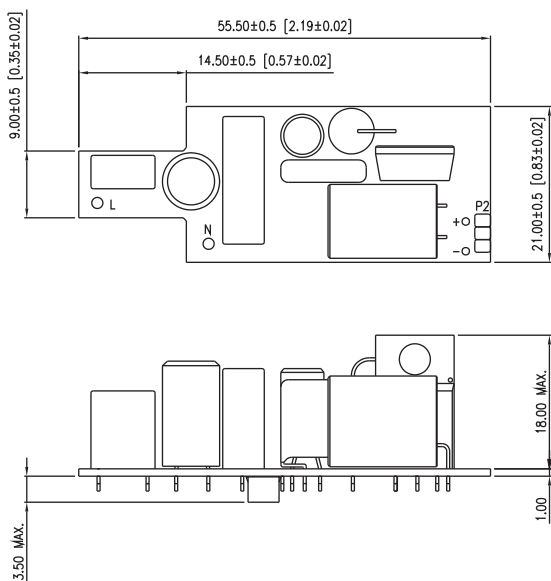
To	Operating Temperature	See derating curve
Ts	Storage Temperature	-40~85°C
Ho	Operating Humidity	0~95%
Hr	Storage Humidity	0~95%
MTBF	Operating Temperature at 25°C, Calculated per MIL-HDBK-217F	8M Hrs (min.)
Pd	Derate linearly from 100% load at 70°C to 50% load at 80°C	



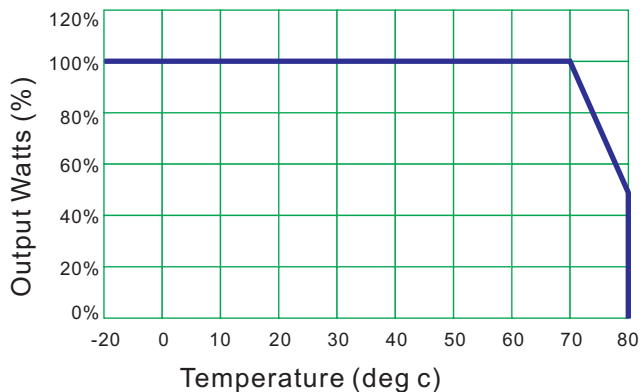
## Output Voltage And Current Rating Chart ( Single Output ) :

Model Number	Output Voltage	Max. Constant Current	Max. Output Power
LBU09A-107	16 ~ 21 VDC	0.56 ~ 0.42 A	9W
LBU09A-108	21 ~ 27 VDC	0.42 ~ 0.33 A	9W
LBU09A-109	27 ~ 33 VDC	0.33 ~ 0.27 A	9W

## Mechanical Specifications:



## Derating Curve :



1. Operating Temperature: -20 to 80°C
2. Derate linearly from 100% load at 70°C to 50% load at 80°C