

TPLBU19 SERIES

19W 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
- T5, T8-lighting use
- 3 year warranty



Electrical Characteristics:

Vin	Safety Approvals	Input Voltage Range	100~240VAC
		Operate Voltage Range	90~264VAC
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 0.9 (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=170VAC 6Vp-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/EN61000-4-3/EN61000-4-4/EN61000-4-5/EN61000-4-6/ EN61000-4-8/EN61000-4-11	
Safety		Meet En61347	

Application:

- LED lighting

Safety Approvals:

RoHS
2002/95/EC
COMPLIANT

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	



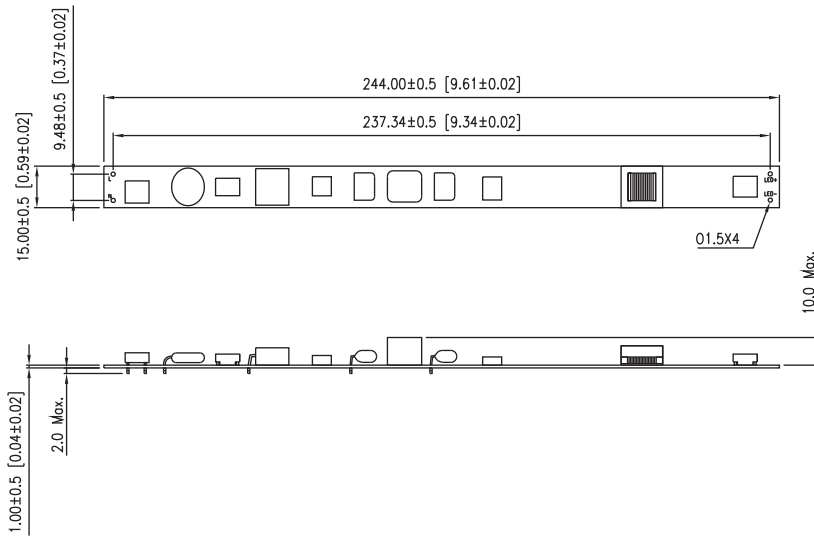
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Output Voltage And Current Rating Chart (Single Output) :

Model Number	Output Voltage	Max. Constant Current	Max. Output Power
TPLBU19-109	27 ~ 33 VDC	0.70 ~ 0.57 A	19W
TPLBU19-110	33 ~ 40 VDC	0.57 ~ 0.47 A	19W
TPLBU19-111	40 ~ 50 VDC	0.47 ~ 0.38 A	19W

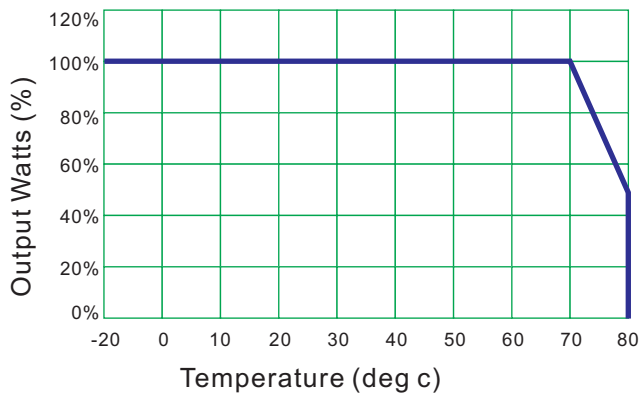
Mechanical Specifications:



Note:

1. Input connect mates with AWG#16 wire.
2. Output connect mates with AWG#20 wire.

Derating Curve :



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

