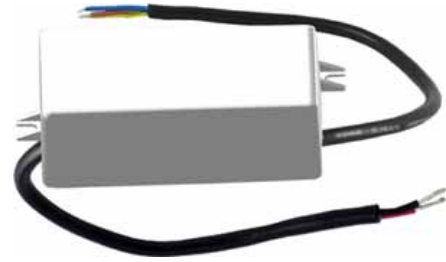


KEY FEATURES

- Fully Isolated Plastic Case with IP67 Level
- Constant Current
- With P.F.C. Function, PF>0.9
- High Efficiency up to 85%
- Free Air Convection
- Protections: Over Load / Over Voltage / Short Circuit
- High Reliability & Double Layered PCB
- Ultra Compact Size: 3.15 x 1.5 x 1.1 Inches
- 2-Years Product Warranty



IP67 CE

ELECTRICAL SPECIFICATIONS

All specifications valid at nominal input voltage, full load and +25°C after warm-up time unless otherwise stated.

Model No.	PLF25-18S	PLF25-24S	PLF25-36S
Max output wattage (W)	25.2W		
Input	Voltage (Note2)		
	90-277 VAC		
	Frequency (Hz)		
	50 / 60 Hz		
	Power factor		
PF>0.92 at Full load (115 VAC) / PF>0.9 at Full load (230 VAC)			
Current (Full load)			
0.7A max. (115 VAC) / 0.35A max. (230 VAC)			
Inrush current			
40 A max. (Cold Start at 230 VAC)			
Output	Voltage (V.DC.) (max)		
	18V	24V	36V
	Constant Current Operation Voltage (max) (CC Mode) (Note3)		
	13.5~18VDC	18~24VDC	27~36VDC
	Current Tolerance		
	±5%		
Current Range (mA)			
1400	1050	700	
Ripple & Noise (max) (Note1)			
3Vp-p			
Efficiency (typ)			
83%	84%	85%	
Protection	Over current protection		
	Auto recovery		
	Over voltage protection		
Zener diode clamp			
Short circuit protection			
Auto recovery			
Isolation	Input-Output (V.AC)		
	3000V		
	Input-FG (V.AC)		
1500V			
Output-FG (V.AC)			
500V			
Environment	Operating temperature		
	-30°C...+70°C (with derating)		
	Storage temperature		
	-40°C...+85°C		
	Temperature coefficient		
0.02%/°C			
Humidity			
95% RH			
MTBF			
>643,000 h @ 25°C (MIL-HDBK-217F)			
Physical	Dimension (L x W x H)		
	3.15 x 1.5 x 1.1 Inches (80.0 x 38.1 x 28.0 mm) Tolerance ±0.5 mm		
	Weight		
150 g			
Cooling method			
Free air convection			
Safety & EMC	Safety Standards		
	Design refer to EN61347 · EN61347-2-13 · UL8750 (Pending)		
	EMI (Conducted & Radiated Emission)		
	Design refer to EN 55015 (Pending)		
EMS (Noise Immunity)			
Design refer to EN 61547 (Pending)			
Harmonic Current			
Design refer to EN 61000-3-2 · EN 61000-3-3 (Pending)			

Note:

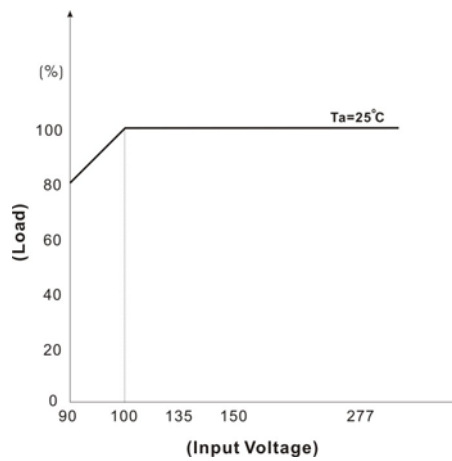
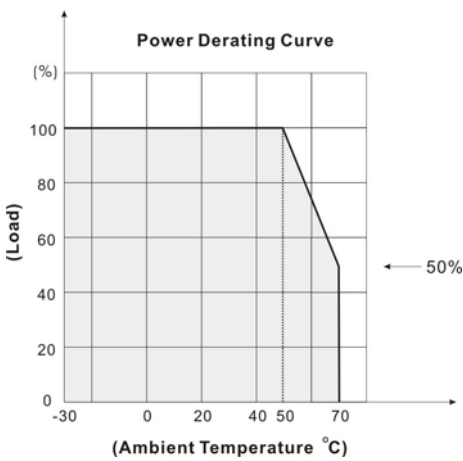
1. Ripple & Noise are measured at 20MHz of bandwidth with 0.1uF & 47uF parallel capacitor.
2. Please check the derating curve for more details.
3. This is the suitable operation region for LED related application. but please reconfirm special electrical requirements for some specific system design.

MECHANICAL DIMENSION (Top View)

PIN#	SINGLE
1	AC IN (N)
2	AC IN (L)
3	+DC OUT
4	-DC OUT



DERATING



BLOCK DIAGRAM

