

KEY FEATURES

- Fully Isolated Plastic Case with IP67 Level
- Constant Current
- Universal Input: 90-264 VAC
- With P.F.C. Function, PF>0.93
- High Efficiency up to 86%
- Turn-on Delay < 250ms
- Protections: Over Load / Over Voltage / Short Circuit
Over Temperature(optional)
- High Reliability & Double Layered PCB
- Ultra Compact Size: 3.47 x 1.69 x 1.1 Inches
- 3-Years Product Warranty



IP67   **SELV** (except for PLF25-350
PLF25-700)

ELECTRICAL SPECIFICATIONS

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

Model No.	PLF25-1400	PLF25-1050	PLF25-700	PLF25-350
Max output wattage (W)	25.2W	25.2W	25.2W	20.3W
Input	Voltage (Note1)			
	90-264 VAC			
	Frequency (Hz)			
	47-63 Hz			
	Power factor			
	PF>0.93 at full load (115/230 VAC)			
Output	Current (full load)			
	0.6A max. (115 VAC) / 0.3A max. (230 VAC)			
	Inrush current			
	40 A max. (Cold Start at 230 VAC)			
	Leakage current			
	<0.25mA			
Protection	Voltage (V.DC.) (max)			
	18V	24V	36V	58V
	Operation Voltage (Note2)			
	10.8-18VDC	14.4-24VDC	21.6-36VDC	37.7-58 VDC
	Current (mA)			
	1400	1050	700	350
Isolation	Ripple & Noise (max) (Note3)			
	4Vp-p			
	Current Regulation (at 230VAC) (Note4)			
	±5%			
	Efficiency (typ) (at 230VAC)			
	85%	86%	86%	86%
Environment	Over Temperature protection(optional)			
	Auto recovery			
	Over voltage protection			
Auto recovery				
Short circuit protection				
Auto recovery				
Physical	Isolation Input-Output (V.AC)			
	4000V			
	Operating temperature			
	-30°C...+60°C (with derating)			
	Storage temperature			
-40°C...+85°C				
Temperature coefficient				
0.1%/°C				
Humidity				
95% RH				
MTBF				
>906,500 h @ 25°C (MIL-HDBK-217F)				
Safety & EMC	Dimension (L x W x H)			
	3.47 x 1.69 x 1.1 Inches (88.0 x 43.0 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 Class C (at input>25W) 、 EN 61000-3-3 (Pending)				

Note:

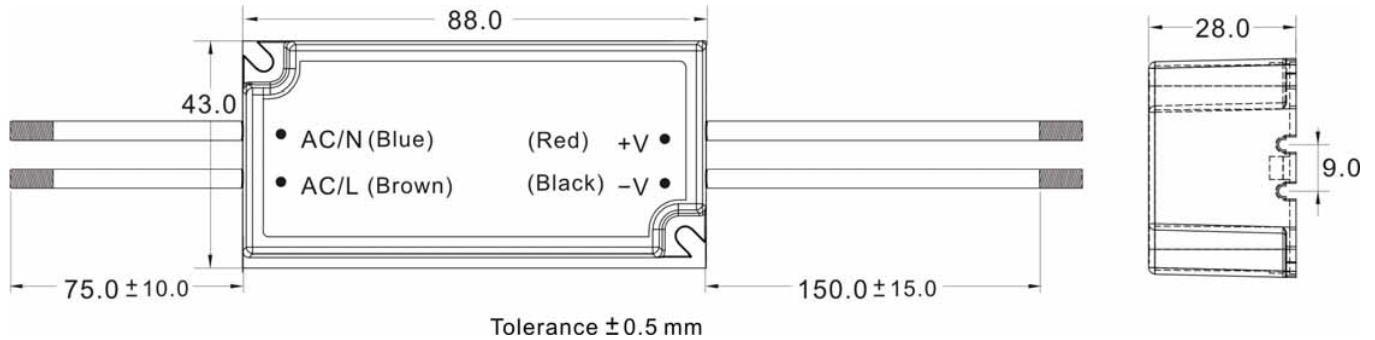
1. Please check the derating curve for more details.
2. This is the suitable operation region for LED related application.but please reconfirm special electrical requirements for some specific system design
3. Ripple & Noise are measured at 20MHz of bandwidth with 0.1uF & 47uF parallel capacitor.
4. (1) Current Regulation <±7.5% (at 115VAC Input Voltage)

(2)Current Regulation <±10% (at other Input Voltage)

<http://www.ai>

TEL: +886-2-26989508 FAX: +886-2-26981319

MECHANICAL DIMENSION (Top View)



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

DERATING

