PLF25 SERIES 25 Watts

KEY FEATURES

- Fully Isolated Plastic Case with IP65 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

CE IP65

ELECTRICAL SPECIFICATIONS

All specifications valid at normal 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)			
	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			
Output	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
	Load Regulation (Min-Max) (typ.)	±4%			
	Ripple & Noise (max) (Note3)	4Vp-p			
	Current Regulation (at 230VAC) (Note4)	±5%			
	Efficiency (typ) (at 230VAC)	85%	86%	86%	86%
Protection	Over Temperature protection(optional)	Auto recovery			
	Over voltage protection	Auto recovery			
	Short circuit protection	Auto recovery			
Isolation	Input-Output (V.AC)	4000V			
Environment	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)			
Physical	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	EN61347、EN61347-2-13			
	EMI (Conducted & Radiated Emission)	EN 55015			
	EMS (Noise Immunity)	EN 61547			
	Harmonic Current	EN 61000-3-2 Class C (at input>25W)、EN 61000-3-3			

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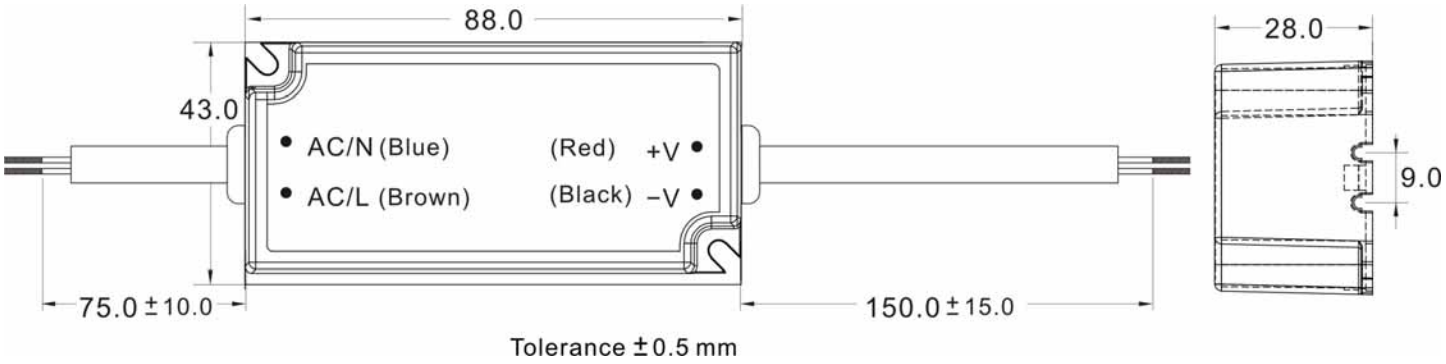
Note:

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 ststem 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)

MECHANICAL DIMENSION (Top View)



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

DERATING