

SPECIFICATION

Description	220-240V LED Driver, Constant Voltage Driver	
Electrical Characteristics	Ta = 25°C, 220-240Vrms input, standard reference load; unless otherwise specified	
Class II, thermally protected 110°C, independent driver		

Product Name		LT-100-24
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Input Parameters

Rated Input Voltage	Uin	220-240VAC
Input Current (Full load)	Iin	0.55A
Input Frequency	fin	50/60Hz
Maximum Input Power	Pin	110W
Power Factor (Full load)	λ	≥ 0.95
THD(Full load)		$\leq 15\%$
Efficiency (Full load)	η	$\geq 92\%$
Standby Power		$\leq 0.5W$
Inrush current		$\leq 60.0A$

Output Parameters

Output Voltage	Vout	24V $\pm 5\%$
Output Current (Full load)	Iout	4.17A
Output Power (Full load)	Pout	100W
Operating Frequency(Full load)	Fout	75-180KHz
Ripple & Noise (Full load)		$\leq 1200mV$
Load Regulation		$\leq 2\%$
Line Regulation		$\leq 2\%$
PstLM		≤ 1
SVM		≤ 0.4

Ambient

Storage Temperature	ts	-20 ... + 70°C
Operating Ambient Temperature	ta	-20 ... + 45°C
Case Temperature at tc Point	tc	+90°C

Protection

No Load		Auto-recovery if fault is removed
Over Load		Auto-recovery if fault is removed
Short Circuit		Auto-recovery if fault is removed

System Parameters

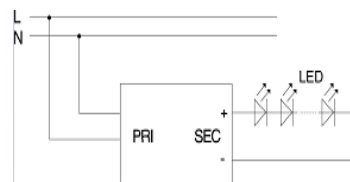
Hi-pot		3.75KVAC, Ileakage<5mA, 60s
Average Service Life		50,000Hours
Dimmable		NA

Compliances and approvals

Safety		EN 61347-2-13
RFI		EN 55015
Harmonics		EN 61000-3-2 Class C
Immunity		EN 61547

Note

1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uF & 47uF parallel capacitor.
3. Expected Life:tc=80°C, 0.2%/1000h failure rate

Physical Parameter

Dimensions(LxWxH): 320x30x18.2mm

Housing Material:PC Plastic

Captured Terminal Screw for 0.75~2.5mm2