

AcTEC LED DRIVER**LIM-25T****SPECIFICATION**

Description	220-240V Triac Dimming LED Driver, Constant Current Driver
Electrical Characteristics	Ta = 25°C, 220-240Vrms input, standard reference load; unless otherwise specified
Class II, IP20, thermally protected 110, independent driver	

Product Name	LIM-25T
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Input Parameters

Rated Input Voltage	Uin	220-240VAC
Input Current (Full load)	Iin	0.16A
Input Frequency	fin	50/60Hz
Maximum Input Power	Pin	32W
Power Factor (Full load)	λ	≥ 0.95
THD(Full load)		$\leq 25\%$
Efficiency (Full load)	η	$\geq 82\%$
No-load power		$\leq 1W$
Inrush current		5A&100us (Cold Start)
Turn on time		$\leq 500ms$

Output Parameters

Output Voltage	Vout	21-42V
Output Current (Full load)	Iout	350mA $\pm 8\%$ 450mA $\pm 5\%$ 500mA $\pm 5\%$ 600mA $\pm 5\%$
Output Power (Full load)	Pout	25W
Operating Frequency(Full)	Fout	70KHz
Ripple & Noise		$\leq 100mA$
Percent flicker		$\leq 3\%$
Load Regulation		$\leq 5\%$
Line Regulation		$\leq 5\%$

Ambient

Storage Temperature	ts	-20 ... + 70°C
Operating Ambient	ta	-20 ... + 45°C
Case Temperature at tc	tc	85°C
Relative humidity		5 ... 85%

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

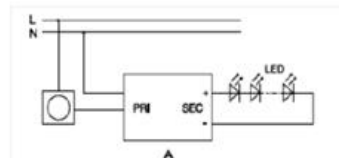
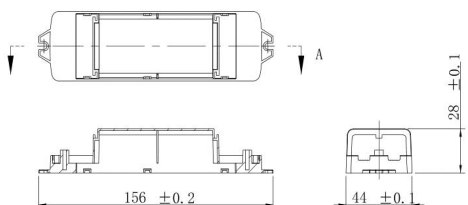
Withstand voltage	3.75KVAC, I leakage < 5mA, 60s
Expected Life	50,000Hours

Compliances and approvals

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

Note

- All parameters NOT specially mentioned are measured at 240VAC input, rated load and 25 of ambient temperature.
- Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uF & 47uF parallel capacitor.
- Expected Life:tc=80°C, 0.2%/1000h failure rate

Physical Parameter

Dimensions(LxWxH): 156x44x28mm

Housing Material:PC Plastic

Captured Terminal Screw for 0.75~2.5mm2