

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-15T
Input Parameters		
Rated Input Voltage	Uin	220-240VAC
Input Current (Full load)	Iin	0.1A
Input Frequency	fin	50/60Hz
Maximum Input Power	Pin	18W
Power Factor (Full load)	λ	≥ 0.95
THD(Full load)		$\leq 25\%$
Efficiency (Full load)	η	$\geq 82\%$
Inrush current(Cold start)	Apk	5(th=100us)
Turn on time		$\leq 500\text{ms}$

Output Parameters				
Output Voltage	Vout	21-42V		
Output Current (Full load)	Iout	200mA $\pm 5\%$	260mA $\pm 5\%$	300mA $\pm 5\%$ 350mA $\pm 5\%$
Output Power (Full load)	Pout	8.4W	11W	12.6W 15W
Operating Frequency(Full load)	Fout	70-100KHz		
Ripple & Noise		$\leq 50\text{mAp-p}$		
Load Regulation		$\pm 5\%$		
Line Regulation		$\pm 5\%$		

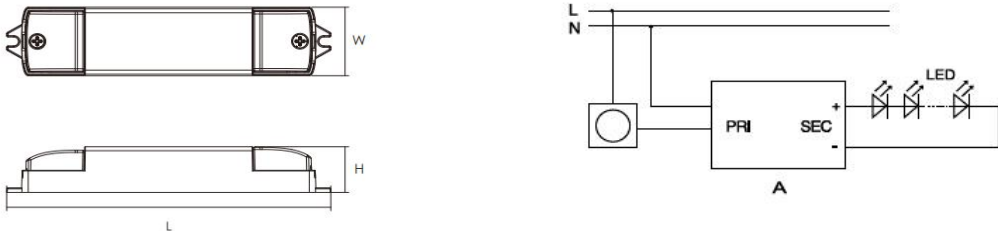
Ambient		
Storage Temperature	ts	-20 ... + 70°C
Operating Ambient Temperature	ta	-20 ... + 50°C
Case Temperature at tc Point	tc	80°C
Relative humidity		5 ... 85%

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		
1. All parameters NOT specially mentioned are measured at 240VAC input, rated load and 25 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): 156x44x28mm Housing Material: PC Plastic Input Captured Terminal Screw for 0.75~2.5mm ² ; Output Captured Terminal Screw for 0.5~1.5mm ²	