

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
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	$\geq 82\%$
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	350mA $\pm 8\%$	450mA $\pm 5\%$	500mA $\pm 5\%$	600mA $\pm 5\%$
Output Power (Full load)	Pout	15W	19W	21W	25W
Operating Frequency(Full	Fout	70KHz			
Ripple & Noise		$\leq 100\text{mAp-p}$			
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%

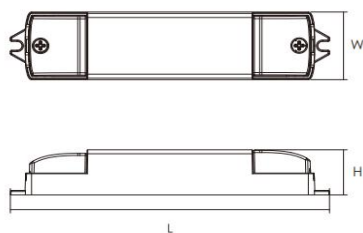
Protection		
No Load		Auto-recovery if fault is removed
Over Load		Auto-recovery if fault is removed
Short Circuit		Auto-recovery if fault is removed

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		
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 0.75~2.5mm²; Output Captured Terminal Screw for 0.5~1.5mm².

