

TRONIX

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		215-281
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		$\leq 5A \& 100\mu s$ (Cold Start)
Turn on time		$\leq 500ms$

Output Parameters		
Output Voltage	Vout	18-36V
Output Current (Full load)	Iout	700mA $\pm 5\%$
Output Power (Full load)	Pout	25W
Operating Frequency(Full load)	Fout	70KHz
Ripple & Noise		$\leq 100mA$
Percent flicker		$\leq 3\%$
Load Regulation		$\leq 5\%$
Line Regulation		$\leq 5\%$

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

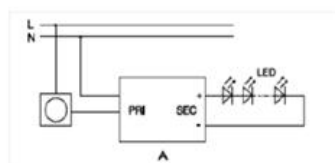
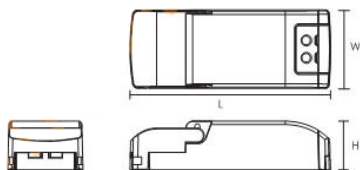
Protection		
No Load		Auto-recovery if fault is removed
Over Load		Auto-recovery if fault is removed
Short Circuit		Auto-recovery if fault is removed

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): 120x45x28mm

Housing Material:PC Plastic

Captured Terminal Screw for 0.75~2.5mm2