

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		215-282
Input Parameters		
Rated Input Voltage	Uin	220-240VAC
Input Current (Full load)	Iin	0.30A
Input Frequency	fin	50/60Hz
Maximum Input Power	Pin	48W
Power Factor (Full load)	λ	≥0.95
THD(Full load)		≤25%
Efficiency (Full load)	η	≥86%
No-load power		≤1W
Inrush current		≤5A&100us (Cold Start)
Turn on time		≤500ms

Output Parameters		
Output Voltage	Vout	28-56V
Output Current (Full load)	Iout	700mA±5%
Output Power (Full load)	Pout	40W
Operating Frequency(Full load)	Fout	70KHz
Ripple & Noise		≤60mA
Percent flicker		≤3%
Load Regulation		≤5%
Line Regulation		≤5%

Ambient		
Storage Temperature	ts	-20 ... + 70
Operating Ambient Temperature	ta	-20 ... + 45°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
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): 166x52x24mm		
Housing Material:PC Plastic		
Captured Terminal Screw for 0.75~2.5mm2		