

# 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	

<b>Product Name</b>		<b>215-380</b>
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### Input Parameters

Rated Input Voltage	U <sub>in</sub>	220-240VAC
Input Current (Full load)	I <sub>in</sub>	0.11A
Input Frequency	f <sub>in</sub>	50/60Hz
Maximum Input Power	P <sub>in</sub>	23W
Power Factor (Full load)	λ	≥0.95
THD(Full load)		≤25%
Efficiency (Full load)	η	≥83%
No-load power		≤1W
Inrush current		≤5A&100us (Cold Start)
Turn on time		≤500ms

### Output Parameters

Output Voltage	V <sub>out</sub>	26-52V
Output Current (Full load)	I <sub>out</sub>	350mA±5%
Output Power (Full load)	P <sub>out</sub>	18W
Operating Frequency(Full load)	F <sub>out</sub>	70KHz
Ripple & Noise		≤50mAp-p
Load Regulation		±5%
Line Regulation		±5%

### Ambient

Storage Temperature	t <sub>s</sub>	-20 ...+ 70
Operating Ambient Temperature	t <sub>a</sub>	-20 ...+ 45
Case Temperature at t <sub>c</sub> Point	t <sub>c</sub>	80
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

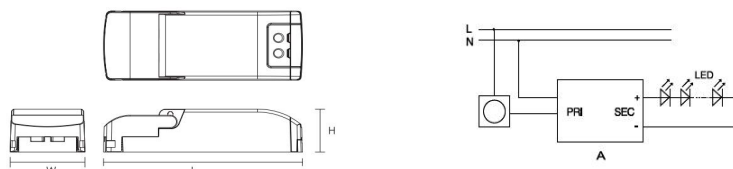
### Compliances and approvals

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:t<sub>c</sub>=80°C,0.2%/1000h failure rate

### Physical Parameter



Dimensions(LxWxH): 120x45x28mm

Housing Material:PC Plastic

Captured Terminal Screw for 0.75~2.5mm2