

TRONIX

SPECIFICATION

| | |
|---|---|
| Description | 220-240V LED Driver, Constant Voltage Driver |
| Electrical Characteristics | Ta = 25°C, 220-240Vrms input, standard reference load; unless otherwise specified |
| Class II, IP20, thermally protected 110°C, independent driver | |

Product Name 215-424

Input Parameters

| | | |
|---------------------------|-----|------------|
| Rated Input Voltage | Uin | 220-240VAC |
| Input Current (Full load) | Iin | 1A |
| Input Frequency | fin | 50/60Hz |
| Maximum Input Power | Pin | 175W |
| Power Factor (Full load) | λ | ≥0.95 |
| THD(Full load) | | ≤15% |
| Efficiency (Full load) | η | ≥93% |
| No-load power | | ≤0.5W |
| Inrush current | | ≤70A |
| Turn on time | | ≤500ms |

Output Parameters

| | | |
|--------------------------------|------|-----------|
| Output Voltage | Vout | 24V±5% |
| Output Current (Full load) | Iout | 6.25A |
| Output Power (Full load) | Pout | 150W |
| Operating Frequency(Full load) | Fout | 80-180KHz |
| Ripple & Noise | | ≤240mV |
| Load Regulation | | ≤2% |
| Line Regulation | | ≤2% |
| PstLM | | ≤1 |
| SVM | | ≤0.4 |

Ambient

| | | |
|-------------------------------|----|----------------|
| Storage Temperature | ts | -20 ... + 70°C |
| Operating Ambient Temperature | ta | -20 ... + 45°C |
| Case Temperature at tc Point | tc | +80°C |

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

| | | |
|----------------------|--|-----------------------------|
| Hi-pot | | 3.75KVAC, Ileakage<5mA, 60s |
| Average Service Life | | 50,000Hours |
| Dimmable | | NA |

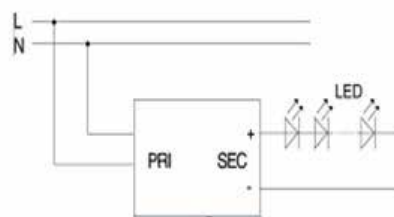
Compliances and approvals

| | | |
|-----------|--|----------------------|
| 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 230VAC 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): 335mmx30mmx21.5mm

Housing Material:PC Plastic

Captured Terminal Screw For 0.75~2.5mm²