

SPECIFICATION

Description	220-240V TRIAC Dimming 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, independent driver	

Product Name		215-016
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Input Parameters

Rated Input Voltage	U _{in}	220-240VAC
Input Current (Full load)	I _{in}	0.60A
Input Frequency	f _{in}	50/60Hz
Maximum Input Power	P _{in}	115W
Power Factor (Full load)	λ	≥0.95
THD(Full load)		≤15%
Efficiency (Full load)	η	≥89%
No-load power		≤1.0W
Inrush current(Typ)		65A&500us(Cold start)
Turn on time		≤500ms

Output Parameters

Output Voltage	V _{out}	12V±5%
Output Current	I _{out}	2.7-8.3A
Output Power (Full load)	P _{out}	100W
Operating Frequency(Full load)	F _{out}	90-120KHz
PWM Frequency		300Hz
Dimming Range		1-100%
Ripple & Noise (Max)		150mVp-p
Load Regulation		±2%
Line Regulation		±2%

Ambient

Storage Temperature	t _s	-20 ... + 70°C
Operating Ambient Temperature	t _a	-20 ... + 50°C
Case Temperature at t _c Point	t _c	90°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} <5.0mA, 60S
Expected Life		30,000Hours

Compliances and approvals

Safety		EN 61347-2-13
RFI		EN 55015
Harmonics		EN 61000-3-2 Class C
Immunity		EN 61547

Note

- All parameters NOT specially mentioned are measured at 240VAC input, rated load and 25 of ambient temperature.
- Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uF & 47uF parallel capacitor.
- Expected Life:t_c=80°C,0.2%/1000h failure rate

Physical Parameter

Dimensions(LxWxH): 210x67x34mm

Housing Material:PC Plastic

Captured Terminal Screw for 0.75~2.5mm²

