AcTEC LED DRIVER Q8H-12V-40W

SPECIFICATION

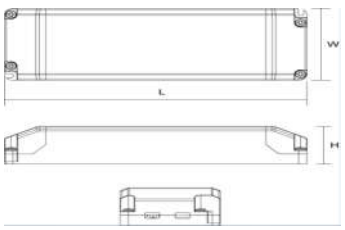
Description	220-240V LED Driver, Constant Voltage Driver
Electrical Characteristics	Ta = 25°C, 220-240Vrms input, standard reference load; unless otherwise specified
Class II, IP20, thermally protected 110, independent driver	

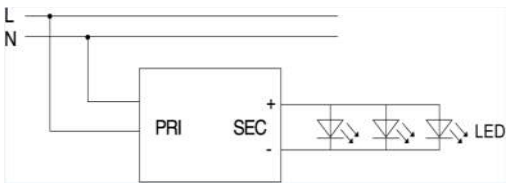
Product Name		Q8H-12V-40W
Input Parameters		
Rated Input Voltage	Uin	220-240VAC
Input Current (Full load)	Iin	0.25A
Input Frequency	fin	50/60Hz
Maximum Input Power	Pin	48.0W
Power Factor (Full load)	λ	≥0.95
THD (Full load)		≤10%
Efficiency (Full load)	η	≥85%
No-load power		≤0.5W
Inrush current		≤15.0A
Turn on time		≤500ms
Output Parameters		
Output Voltage	Vout	12V±5%
Output Current (Full load)	Iout	3.33A
Output Power (Full load)	Pout	40W
Operating Frequency(Full load)	Fout	70KHz
Ripple & Noise		≤800mV
Load Regulation		≤5%
Line Regulation		≤5%
Ambient		
Storage Temperature	ts	-20 …+ 70℃
Operating Ambient Temperature	ta	-20 …+ 50℃
Case Temperature at tc Point	tc	85℃
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,Ileakage<5.0mA,60s
Average Service 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

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℃,0.2%/1000h failure rate

Physical Parameter





Dimensions(LxWxH)：166x52x24mm

Housing Material::PC Plastic

Captured Terminal Screw for 0.75~2.5mm^2