

# DIM-240

## LED Dimming Module



### Features and Applications:

- 240W Dimmer for LED Modules and Strings
- Small Footprint: 172 x 42 x 20 mm
- High Efficiency Circuitry
- Short, Over-load and Over-temperature Protection
- Safety Approvals: cULus, DVE, EMV

All specifications are typical at nominal input, full load, at 25°C unless otherwise stated.

### Electrical Specifications

#### INPUT

Input Voltage Range typ.	10-48Vdc typ., 9.5-50.4Vdc max.
Input Current	5.3A max.
Control Voltage	1 - 10Vdc
Control Current	0.6mA max.

#### OUTPUT

Output Current	5A max.
Output Power Range	0 - 52.5W @ 10.5Vdc input 0 - 120W @ 24Vdc input 0 - 240W @ 48Vdc input
Power Loss min. (1% Dimming, no load)	0.4W@10.5Vdc, 1.2W@24Vdc 3W@48Vdc
Power Loss max. (95% Dimming, full load)	3W@10.5Vdc, 4W@24Vdc 5W@48Vdc
Protection	No Load Operation, Short, Over-load, Over-Temperature

### Safety Certifications



### General Specifications

Isolation Voltage	3000V
Operation Frequency	135Hz. Typ.
Dimming Range	0 - 100%

### Environmental Specifications

Operating Temp.	-20°C to +50°C
Storage Temp.	-40°C to +85°C
Relative Humidity	5% to 95% ( non-Condensing )
Altitude	Operating 10,000 ft. max. Non-Operating 50,000 ft. max.
Vibration	2.4G rms peak, 5Hz ~ 500Hz
Shock	40G peak

### Installation

Fixing Screw	3mm or 3.5mm
Suggested Wire Size	0.75 mm <sup>2</sup> to 1.5 mm <sup>2</sup>
Input Connection	1 pair of screw terminals with covering and strain relief
Output Connection	2 pair of screw terminals with covering and strain relief

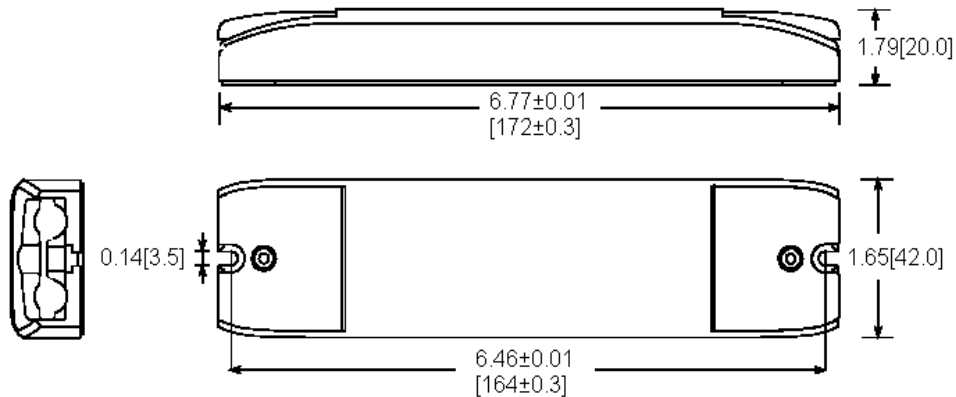
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## Mechanical Information

### Dimension:



### Wiring Diagram:

