

Specifications

Mode of Operation

Continuously variable pulse width modulation

Supply Voltage

6V Battery Version: 3 to 12V DC working up to 15V DC momentary.

12V Battery Version: 8 to 15V DC working up to 19V DC momentary.

24V Battery Version: 20 to 27V DC working up to 30V DC momentary.

Output Voltage Range

From 0V DC to essentially supply voltage. Range can be resistor optimized at factory.

Continuous Output Current

Full rated current up to 105° F (40°C) ambient
75% of rated current up to 115° F (46°C)

Ambient Temperature Range

- 40°F (- 40°C) to 115°F (46°C) (with restrictions noted)

DC-DC Conversion Efficiency

About 98% at full rated load

Load Types

Optimized for resistive loads including incandescent lights and heating elements. Drives most LED devices.

Reverse Polarity Protection

Input leads can be reverse connected without damage. Cannot be reverse connected across negative leads

Transient Protection

Resistive/capacitive filtering

Size

Basic size is 1.32" L x 0.9" W x 1.3" H
(excluding heat sink and knob)
(22mm x 19mm x 26mm)



Description

12VDC Mini Dimmer with PWM/ pulse width modulation, for handheld devices and OEM applications. This is an ideal size for space limited installations. It is rated for up to 8.0 amps in a confined space to 12.0 amps in free airflow at 12VDC. Included is knob and lock nut. You can then drill a hole in your choice of wall plates purchased locally.

Ordering Information:
AMD-48R-12V