



Electronic Design & Research
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P/N EDR82135

EDR-WAS051 (p/n EDR82135)

5 W, 85-264 VAC input and 5VDC/1A out

Features: Universal input, high input/output isolation regulated DC output encapsulated module provides simple solution for supply DC power to various electronic controls. A 3.3V/1.25A, 12.0V/0.42A, 15V/0.33 and 24.0V/0.23A are available in the same package and input voltage range.

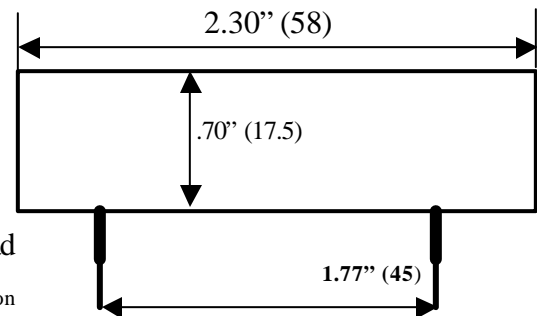
Input Specifications

Input Voltage 86 - 264 VAC
 Frequency 47 to 63 Hz

Output Specifications:

Output Voltage 5 VDC, many other available
 Output current 0 A - 1.0 A
 Output Voltage Accuracy +/- 1%
 Load Regulation +/- 0.5% mV
 Temp. Coefficient, max. 0.05%/°C
 Output ripples at BW=DC-20MHz 50mW p-p, max.
 Efficiency 77% typical
 Short Circuit Protection Continuous, Auto-Restart
 Line voltage regulation from 100 – 240VAC with full load

Case/Pin configuration



Add a 0.1 mF ceramic capacitor and a 10 mF E..L. capacitor for better ripple reduction

Isolation Specifications

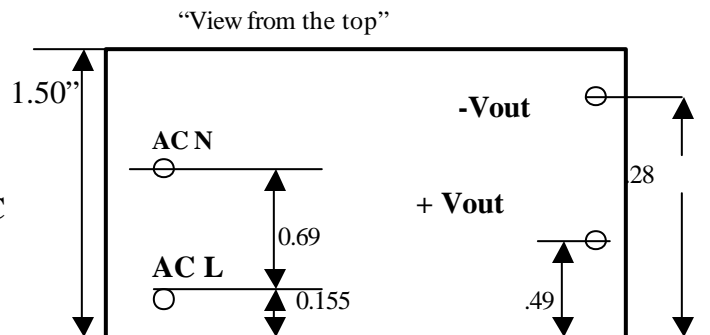
Isolation Resistance, min. 50 Mohm MIN
 Isolation Capacitance, max. 150 pF
 Rated Voltage, min. 3000 VAC

Environmental Specifications:

Ambient operating temperature range 0°C to 40°C
 Ambient storage temperature range -20°C to 85°C

Technical Specifications:

Weight(oz) 6 oz. —
 Case Material Phenolic
 Encapsulation ResTech 10207/053
 Terminals 0.060" DIM
 Dimensions .70"Hx 2.3"Lx1.5"W



Please ask us for full line of DC/DC converters. We represent PEAK Electronics in USA, Canada and Mexico.

EDR Inc. manufactures a variety of AC, DC, AC/DC, NO & NC and TOTEM output Solid State Relays (SSR) to be used in many applications. A SSR is a powerful switch designed to outperform any mechanical type relay. Designed specially for high power motor controls, inverters, switching power supplies, choppers and high energy pulse circuits in the aerospace, defence, transportation, industrial and medical industries

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