



Electronic Design & Research
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Technology for people's ideas

P/N EDR82141

Input Specifications

Input Voltage 4.5-16.5 VDC
 Current (full load) 333 mA at 5V

Output Specifications:

Output Voltage +/-18 VDC
 Output current 40 mA
 Output Voltage Accuracy 65 mVmax.
 Load Regulation +/- 75 mV
 Temp. Coefficient, max. .03%/°C
 Output Noise at BW=DC-100MHz 100mW p-p, max.
 Output Impedance, max .01 Ohm
 Short Circuit Protection Continuous, Auto-Restart
 Line voltage regulation +/-600 mV
 Load voltage regulation +/- 0.5%, max.
 Efficiency to 83%
 Switching frequency 170 KHz, typ.

Isolation Specifications

Isolation Resistance, min. 50 Mohm MIN
 Isolation Capacitance, max. 150 pF
 Rated Voltage, min. 500 VAC

Environmental Specifications:

Ambient operating temperature range -20°C to 71°C
 Ambient storage temperature range -20°C to 85°C

Technical Specifications:

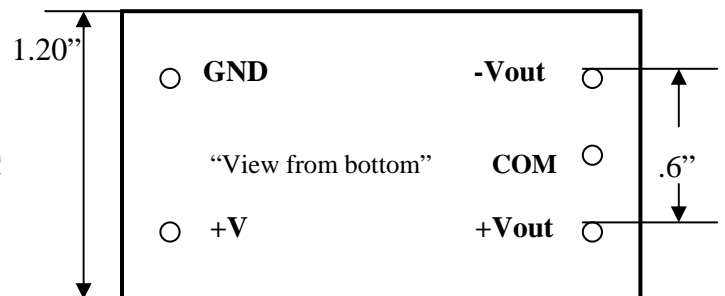
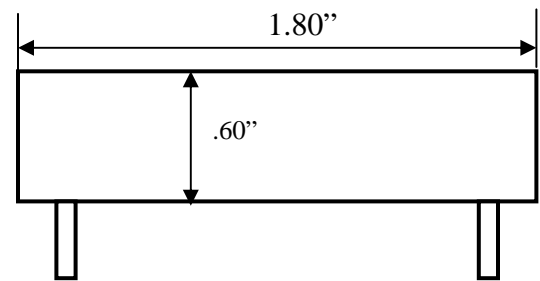
Weight(oz) 5 oz.
 Case Material Phenolic
 Encapsulation ResTech 10207/053
 Terminals 0.020" DIM
 Dimensions .60"Hx1.8"Lx1.2"W

EDR2181 (P/N EDR82140/218)

1.5 W, wide input DC/DC converter

Features: The converter belongs to the line of a single/dual outputs, voltage regulated DC power supplier features various DC output modules with output current from 250mA to 6 amperes. All outputs have current limiting short circuit protection. Temperature coefficients are 0.03%/°C and output ripple voltage is 1 to 2 millivolt RMS.

Case/Pin configuration



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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