



Electronic Design & Research
<http://www.vsholding.com>

Technology for people's ideas

P/N EDR82053

EDR-5/1000D28

DC/DC converter to replace UPM-5/1000-D28

DATEL Inc stopped production of it long time ago and EDR Inc, is taking its place

Features: The converter belongs to the line of a single output, 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 0.02%/°C and output ripple voltage is 1 to 2 millivolt RMS.

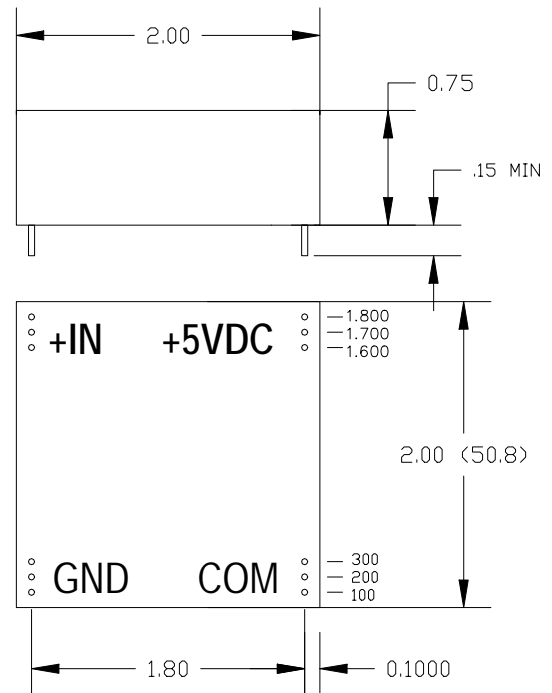
Input Specifications

Input Voltage 18-36VDC
 Current (full load) 333 mA

Output Specifications:

Output Voltage 5 VDC
 Output current 1.2 A
 Output Voltage Accuracy +/- 1% typ, +/-2% max.
 Load Regulation .25%
 Temp. Coefficient, max. .02%/°C
 Output Ripple at 300 KHz BW 1mV, rms
 Output Noise at BW=DC-100MHz 50mW p-p, max.
 Output Impedance, max .01 Ohm
 Short Circuit Protection Continuous, Auto-Restart
 Line voltage regulation +/- 0.5%, max.
 Load voltage regulation +/- 0.5%, max.
 Efficiency to 83%
 Switching frequency 250 KHz, typ.

Case/Pin configuration



Isolation Specifications

Isolation Resistance, min. 1 GOhm
 Isolation Capacitance, max. 150 pF
 Rated Voltage, min. 1500 VAC

Environmental Specifications:

Ambient operating temperature range -25°C to 62°C
 Ambient storage temperature range -25°C to 85°C

Technical Specifications:

Weight(oz) 5 oz.
 Case Material Phenolic
 Encapsulation ResTech 10207/053
 Terminals 0.020" DIM
 Dimensions .75"Hx2.0"Lx2.0"W

Please ask us for full line of DC/DC converters. We represent PEAK Electronics though 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

Electronic Design & Research Inc. ** 7331 Intermodal Dr. ** Louisville ** KY 40258

Tel: 502-933-8660; Fax: 502-933-3422; Sales: 800-336-1337; e-mail: vsholding@vsholding.com