



Electronic Design & Research
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Technology for people's ideas

EDR-5/1000

AC/DC converter to replace UPM-5/1000

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.

P/N EDR82051

P/N EDR82052

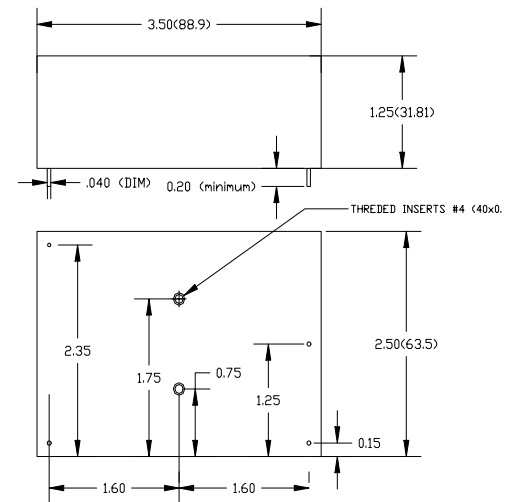
Input Specifications:

	EDR-5/1000A	EDR-5/3000S
Input Voltage	115 VAC	90-264 VAC
Input frequency	60-440 Hz	47 - 450 Hz
Line regulation, max.	.25%	1%
AC Input current, max load	0.10 Arms	0.5A-0.25 Arms

Output Specifications:

	EDR-5/1000A	EDR-5/3000S
Output Voltage	5 VDC	5 VDC
Output current	1.0 A	3.0 A
Output Voltage Accuracy	+/- 1%	1%
Load Regulation	.25%	2%
Temp. Coefficient, max.	.02%/°C	.05%/°C
Output Ripple, max.	1mV, rms	50mV, p-p
Output Impedance, max	.01 Ohm	.02 Ohm
Isolation Resistance, min.	100 MOhm	100 MOhm
Isolation Capacitance, max.	250 pF	200 pF
Breakdown Voltage, min.	1500 VAC	3000 VAC

Case/Pin configuration



Environmental Specifications:

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

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

Technical Specifications:

Weight(oz)	13 oz.	8 oz.
Case Material	Phenolic	
Encapsulation	ResTech 10207/053	
Terminals	0.040"	
Dimensions	1.25"Hx3.5"Lx2.5"W	
Certification	UL/CUL/TUV and approvals by UL, CSA and VDE	

NOTES: * For 220VAC input please add "/2" at the end of the part number.

** For switching type AC/DC converters add "S" at the end of the part number

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

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