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Technology for people's ideas

Regulated, up to 10 Watt HV DC/DC converters

Series of High Voltage output DC/DC converters, regulated power supplies featuring 10 watts of up to 5,000 VDC output. This line of converters features a programmable output via an input terminal "adjustment," a 0 to 5 volt programming voltage. A 0-5 volt output monitor is provided. Short circuit, arc, and reverse readily available.

FEATURES

Wide range adjustable
Regulated and unregulated
Output Voltage Monitor
Short Circuit Protection
Reverse Polarity Protection
Arc Protection
Low EMI/RFI
Input/Output Filtering
Fixed and Wide input range
Hi efficiency, up to 82%

APPLICATIONS

Piezo devices
HV op amp rails
Corotron
Ultrasonic transducers
Lamp ignition & drive
Electrostatic Driver
Electrophoresis
Capacitor Charging
Lasers
General Lab Use

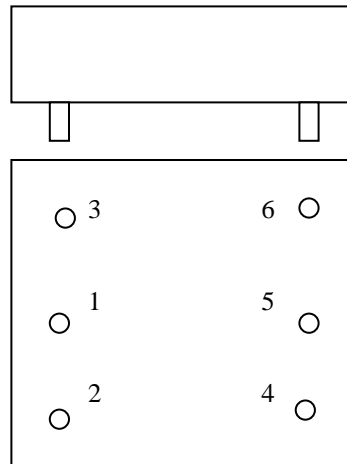
Model	Output VDC	Output mA	Input VDC	Input min/mux	Ripple	Reg/not	Cost
EDR82123	100-1000	10mA	12	1.15 A	1%	yes	\$867.00
EDR82123W	100-1000	10mA	4-12	1.15/3.4 A	1%	yes	\$1,235.00
EDR82123N	100-1200	10mA	4-12	1.10/3.1 A	1%	no	\$546.00
EDR82124	150-2000	5mA	12	1.15 A	1%	yes	\$867.00
EDR82124W	150-2000	5mA	4-12	1.15/3.3 A	1%	yes	\$1,235.00
EDR82124N	170-2000	5mA	4-12	1.10/3.1 A	1%	no	\$567.00
EDR82125	300-3000	3mA	12	1.15A	1%	yes	\$867.00
EDR82125W	300-3000	3mA	4-12	1.15/3.3 A	1%	yes	\$1,235.00
EDR82125N	270-3200	3mA	4-12	1.10/3.1 A	1%	no	\$567.00
EDR82126	400-4000	2.5mA	12	1.15 A	.5%	yes	\$891.00
EDR82126W	400-4000	2.5mA	4-12	1.15/3.3 A	.5%	yes	\$1,378.00
EDR82126N	350-4200	2.5mA	4-12	1.10/3.1 A	.5%	no	\$623.00
EDR82127	500-5000	2mA	15	0.9 A	.25%	yes	\$791.00
EDR82127W	500-5000	2mA	5-15	0.9/2.6 A	.25%	yes	\$888.00
EDR82127N	450-5400	2mA	5-15	0.8/1.9 A	.25%	no	\$689.00
EDR82128	400-4000	2.5mA	15	0.9 A	1%	yes	\$791.00
EDR82128W	400-4000	2.5mA	5-15	0.9/2.6 A	1%	yes	\$888.00
EDR82128N	350-4200	2.5mA	5-15	0.8/1.9 A	1%	no	\$612.00
EDR82129	50-1000	10mA	24	0.6 A	1%	yes	\$768.00
EDR82129W	50-1000	10mA	5-24	0.6/2.6 A	1%	yes	\$1,134.00
EDR82129N	50-1000	10mA	5-25	0.5/2.1 A	1%	no	\$623.00
EDR82130	150-2000	5mA	24	0.6 A	1%	yes	\$768.00
EDR82130W	150-2000	5mA	5-24	0.6/2.6 A	1%	yes	\$1,134.00
EDR82130N	140-2000	5mA	5-25	0.5/2.1 A	1%	no	\$583.00
EDR82131	200-3000	3.3mA	24	0.6 A	.75%	yes	\$712.00
EDR82131W	200-3000	3.3mA	5-24	0.6/2.6 A	.75%	yes	\$1,268.00
EDR82131N	200-3000	3.3mA	5-25	0.5/2.1 A	.75%	no	\$603.00
EDR82132	400-4000	2.5mA	24	0.6 A	.5%	yes	\$787.00
EDR82132W	400-4000	2.5mA	5-24	0.6/2.6 A	.5%	yes	\$1,325.00
EDR82132N	400-4000	2.5mA	5-25	0.5/2.1 A	.5%	no	\$627.00
EDR82133	1000-5000	2mA	24	0.6 A	.5%	yes	\$825.00
EDR82133W	1000-5000	2mA	5-24	0.6/2.6 A	.5%	yes	\$1,435.00
EDR82133N	1000-5000	2mA	5-25	0.5/0.5 A	.5%	no	\$641.00

PHYSICAL CHARACTERISTICS

Case 4.0" (101.6)L x3.0" (76.2)W x1.5" (38.1)H
Packaging: Fully Encapsulated
Weight: 18 Ounces
Pins: .04 (1.02) Dia., .20 (5.08) min length

ELECTRICAL SPECIFICATIONS

Input voltage: 12,15 and 24, 1:3 and 1:5
Input voltage: see Table
Output Current: see Table
Programming voltage: 0 to +5 V
Input current: No load: <0.4A
Full Load: see Table
Temperature Coefficient: <200ppm/°C
Operating temperature: -25° to +70°C
Isolation: 7000 VDC



1 - Ground
2 - Input VDC
3- Programming Vdc
4- Voltage monitor
5 - H. Voltage return
6 - HV output

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