

The "NEW" Standard of High Reliability D.C. To D.C. Converters Including FULL EMI per MIL-STD-461



Single & Multiple Outputs, 100 to 250 Watts, 2 to 48 Volts

- FLAT-PACK DESIGN FOR AIRBORNE, SUBMARINE, SHIPBOARD, FIXED AND MOBILE LAND BASE APPLICATIONS
- VME CARD CAGE MOUNTABLE
- POWER DENSITIES TO 6.25 W/IN³
- EXCEPTIONAL POWER/COST/DENSITY RATIOS
- FAST CONNECT/DISCONNECT CONNECTORS
- DYNAMIC BURN-IN
- FULLY REPAIRABLE
- STANDARD OFF-THE-SHELF DELIVERY
- OVER 400,000 HOURS MTBF
- CONVECTION COOLING
- WIDE INPUT RANGE 18-36V DC

OPTIONAL FEATURES

- AUTOMATIC THERMAL SHUT-DOWN
- ALARM CIRCUITRY FOR "INPUT POWER FAIL"
- OUTPUT INDICATORS

Quality, Performance and Value for Military and Industrial Applications

- OPERATIONAL -55°C TO 100°C WITHOUT DEGRADATION
- HIGH EFFICIENCY — UP TO 85 PERCENT
- REGULATION TO < 1.00 PERCENT
- HIGH ISOLATION — 100V
- VIBRATION AND SHOCK TO MIL-STD-810
- AUTO RESET CURRENT FOLDBACK
- AUTO RESET OVERVOLTAGE PROTECTION
- HIGH INPUT NOISE IMMUNITY
- OUTPUT NOISE < 100mV
- REMOTE SENSE
- SOFT START
- INHIBIT
- CURRENT MODE

- AUTO PRE-LOAD
- CUSTOM APPLICATION AVAILABLE
- OUTPUT VOLTAGE ADJUST

CENTURY  **ELECTRONICS**

DEDICATED TO HIGH RELIABILITY

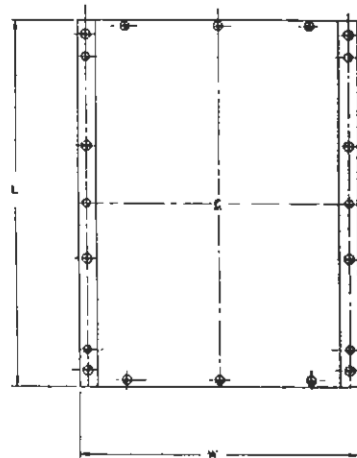
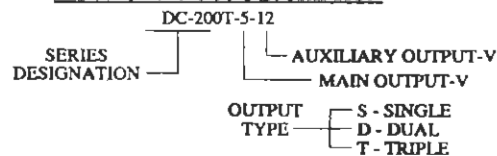
DC 200 Series DC TO DC CONVERTERS

high performance units are extremely compact relative to their output ratings. The use of MOSFET transistors reduces component count, in turn increasing reliability to over 400,000 hours, operating at a relatively high frequency with high efficiency and low noise. When limited space is available, the DC200 Series low profile will fit tight requirements; such as VME card cage mountable, compact aircraft constraints, portable mobile units and telecommunication systems.

THE "NEW" Century Electronics DC200 Series switching power supplies is a new concept in both single and multiple outputs ranging for 2 to 48 volts and up to 250 watts. These

MODELS	DC OUTPUTS					
	VOLTS	AMPS	VOLTS	AMPS	VOLTS	AMPS
DC200S- 5	5.0	40.0				
DC200S-12	12.0	16.7				
DC200S-15	15.0	13.4				
DC200S-24	24.0	8.4				
DC200S-28	28.0	7.2				
DC200S-48	48.0	4.2				
DUAL OUTPUTS						
DC200D- 5- 5	5.0	20.0	-5.0	20.0		
DC200D- 5-12	5.0	20.0	12.0	8.3		
DC200D- 5-15	5.0	20.0	15.0	6.6		
DC200D- 5-24	5.0	20.0	24.0	4.2		
DC200D- 5-28	5.0	20.0	28.0	3.6		
DC200D-12-12	12.0	8.3	-12.0	8.3		
DC200D-12-15	12.0	8.3	15.0	6.6		
DC200D-12-24	12.0	8.3	24.0	4.2		
DC200D-12-28	12.0	8.3	28.0	3.6		
DC200D-15-15	15.0	6.6	-15.0	6.6		
DC200D-15-24	15.0	6.6	24.0	4.2		
DC200D-15-28	15.0	6.6	28.0	3.6		
DC200D-24-24	24.0	4.2	-24.0	4.2		
DC200D-24-28	24.0	4.2	28.0	3.6		
DC200D-28-28	28.0	3.6	-28.0	3.6		
TRIPLE OUTPUTS						
DC200T- 5-12	5.0	20.0	+12.0	4.2	-12.0	4.2
DC200T- 5-15	5.0	20.0	+15.0	3.3	-15.0	3.3
DC200T- 5-24	5.0	20.0	+24.0	2.1	-24.0	2.1
DC200T- 5-28	5.0	20.0	+28.0	1.8	-28.0	1.8
DC200T-12-15	12.0	8.3	+15.0	3.3	-15.0	3.3
DC200T-15-12	15.0	6.6	+12.0	4.2	-12.0	4.2
DC200T-24-15	24.0	4.2	+15.0	3.3	-15.0	3.3
DC200T-28-15	28.0	3.6	+15.0	3.3	-15.0	3.3

MODEL/PRODUCT DESCRIPTION



MODEL	Dimensions (in.)			Weight lbs.
	L	W	H	
DC200S	6.75	4.925	1.40	<2.8
DC200D	7.50	5.750	1.40	<3.3
DC200T	7.50	5.750	1.40	<3.3

MILITARY SPECIFICATIONS

Altitude:	MIL-STD-810	Quality Program:	MIL-Q-9858
Design Guidelines:	NAVMAT P4855-1A	Reliability:	MIL-HDBK-217
EMI:	MIL-STD-461/2	Shock:	MIL-S-901
Humidity:	MIL-STD-810	Workmanship/	
Input Transient:	MIL-STD-704	Soldering:	MIL-STD-2000
Inspection System:	MIL-I-45208	Shock & Vibration:	MIL-STD-810
Marking:	MIL-STD-130	Transformers/Inductors:	MIL-T-27

Century Electronics is a custom, semi-custom and standard designer and manufacturer of high reliability military, aerospace and industrial application power supplies and transformers. Century offers a complete line of mil-environment, industrial, commercial and custom power systems. We invite your inquiry and specifications which will receive immediate attention.

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