

The "NEW" 210 Watt 6U VME Converters 270V DC To DC



VME 210 SERIES POWER SUPPLY FEATURES

- Wide Input Voltage Range 200 to 300 VDC
- Operating Temperature: 71°C
- EMI Filter Qualified to MIL-STD-461
- Qualified for Navy Shipboard/Sheltered Environment
- Low Output Ripple & Noise: 50mVp-p
- Input to Output, Transformer Isolation
- High MTBF over 150,000 Hours
- NAVMAT Components Derating
- Standard Two VME Slots Wide
- Over Temperature Protection
- Efficiency: 80%
- Over Current Protection
- VME AC Fail Status, SYSRESET Status and PWR Good
- OVP Protection

CENTURY  **ELECTRONICS**

DEDICATED TO HIGH RELIABILITY

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6U VME - 270V DC to DC ELECTRICAL CHARACTERISTICS

PARAMETER	TEST CONDITIONS	MIN	TYP	MAX	REMARKS
Input Voltage	Po=NL to FL	235 VDC	270 VDC	300 VDC	
Output 1 Output 2 & 3	Vin = Min to Max Vin = Min to Max		+5 VDC +/-12 VDC		Io = 30 A Io = 1 A
Isolation	1 KVDC	100 MOhm			In/Out to Chassis
Hold-Up Time	Vin = 235, Io = FL	16 mSec	20 mSec		
Line Regulation	Io = Const		0.50%	1%	0° to 45° C
Load Regulation	Vin = Const		0.50%	1%	0° to 45° C
Ripple & Noise	Io = FL		0.50%	1%	
Over Current			120%	200%	Auto Recovery
Over Voltage			125%	130%	
Over Temperature	Vin = 270, Io = FL	95° C	105° C	125° C	Auto Recovery
Operating Temperature	Io = FL	0° C		45° C	Forced Air
+5V Remote Sense	Io = FL	0.50 V	0.55 V		
Efficiency	Vin = 270, Io = FL	75%	81%		
Inrush Current	Vin = 300, Io = FL		6 Amp	8 Amp	
Turn-On Delay	Io = FL	1 Sec	1.25 Sec	2 Sec	
AC Fail Status	Io = FL			Hi	IAW VME SPEC
SYSRESET Status	Io = FL			Hi	IAW VME SPEC
PWR Good Status	Io = FL			Hi	IAW VME SPEC
PWR Good LED	Vout =	97.50%		125%	LED
Step Load on +5V	12 A ↔ 16 A		35 mV	50 mV	T <100 uSec
Turn-On Overshoot 12 V	Vin = 270 V, Io = NL		0.4 V	0.5 V	0 V on +5 V
Input to Chassis Cap			0.025uF	0.05uF	

MILITARY SPECIFICATIONS

<i>Attitude:</i>	MIL-STD-202	<i>Inspection:</i>	MIL-STD-45208	<i>Soldering:</i>	ANSI-J-STD-001
<i>Design Guidelines:</i>	NAVMAT-P4855-1A	<i>Marking:</i>	MIL-STD-130	<i>Transformers:</i>	MIL-T-27
<i>EMI:</i>	MIL-STD-461/2	<i>Quality:</i>	MIL-Q-9858/ISO 9001	<i>Vibration:</i>	MIL-STD-167
<i>Humidity:</i>	MIL-STD-810	<i>Reliability:</i>	MIL-HDBK-217	<i>Structure Borne Noise:</i>	MIL-STD-740
<i>Input Transient:</i>	MIL-STD-704	<i>Shock:</i>	MIL-STD-202	<i>Workmanship/solder:</i>	ANSI-J-STD-001

Century Electronics is a Custom, Semi-Custom and Standard Designer and Manufacturer of High Reliability Military, Aerospace, Industrial and Space Application Power Supplies and Converters. Century offers a complete line of MIL-Environment, Industrial, Space and Custom Power Supplies. We Invite Your Inquiry and Specifications Which Will Receive Immediate Attention.

All specifications subject to change without notice



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