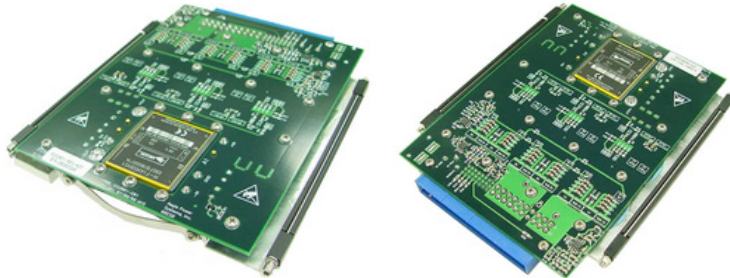


## **EO2801 28VDC to 225W 3 Output DC Power Card 1 Slot (150mm size) VME**



**Rev.1 Preliminary Date: 5/12/08**

### **SPECIFICATIONS (25°C, nominal line, 100% load unless otherwise specified)**

<b><u>DC Input Voltage:</u></b>	Meets Mil-Std-704F Normal Range of 22VDC to 29VDC, 28VDC nominal 50VDC 12.5msec transient (shut down longer, automatic restart) Shuts down for abnormal range (automatic restart)
<b><u>DC Input Current:</u></b>	12.0A Max @ 22VDC (225W Output) 9.3A typical @ 28VDC input (225W Output) 18.0A Max @ 22VDC (336W Output) 13.8A typical @ 28VDC input (336W Output)
<b><u>Input Power:</u></b>	264W Max. (225W Output), 395W Max. (336W Output)
<b><u>Output Power:</u></b>	225W to 336W Max. all outputs combined 336W up to 75°C, 225W up to 85°C (baseplate temperature at wedgelocks)
<b><u>Output Voltages:</u></b>	+5VDC 15A, 75W, (112W Max) +3.3VDC 22.7A, 75W, (112W Max) +12VDC 6.25A, 75W, (112W Max)
<b><u>Efficiency:</u></b>	85% Min.
<b><u>Startup Time:</u></b>	500msec Max.
<b><u>Voltage Setpoint:</u></b>	+/-1%
<b><u>Temperature Regulation:</u></b>	+/-0.01%/deg °C
<b><u>Line Regulation:</u></b>	+/- 0.1%
<b><u>Load Regulation:</u></b>	+/- 1.5%
<b><u>Output Ripple:</u></b>	+5V & +3.3V 50mV, +12VDC 100mV (pk-pk Max. 20MHz BW)
<b><u>Current Limit:</u></b>	Short Circuit protected, automatic recovery
<b><u>Temperature:</u></b>	-40°C to +75°C (336W) operating baseplate @ Wedgelocks -40°C to +85°C (225W) operating baseplate @ Wedgelocks -55°C to +100°C Non-operating
<b><u>Size:</u></b>	150.5mm x 4hp x 160mm see mech dwg
<b><u>Weight:</u></b>	2lb. Max.
<b><u>Connector:</u></b>	1ea Positronics PCIH47M400A1 or equivalent (See dwg for pin assignments)
<b><u>Shock and Vib:</u></b>	Mil-Std-810 Ground Mobile
<b><u>Humidity:</u></b>	0-95% non-condensing
<b><u>EMI:</u></b>	Mil-Std-461E CE102, CS101

Specification subject to change without notice