

## VP MMHMD Series Man Mountable HVPS

**Low Power Dissipation (<3 watts)**

**Low Mass (<80 g)**

**Low Profile (17mm)**

**Rugged connectivity**

**Steel cased**

**PSU Good Output**

**Customer Configurable**



<b>INPUT</b>		<b>GENERAL</b>	
<i>Input Voltage</i>	~	<i>User definable in the range:</i>	<i>Workmanship ~ IPC – A-610</i>
		<i>+15V to 36V, +/-10V to</i>	
		<i>+/- 18V</i>	
<i>Off Load input</i>	~	<i>+195mA</i>	<i>Efficiency ~ 3W standing Power dissipation</i>
<i>Current (+/-12V input)</i>		<i>-55mA</i>	<i>+ 80% Load Power conversion</i>
			<i>efficiency.</i>
<i>BITE</i>	~	<i>Open Collector Control loop</i>	<i>EMC ~ Fully screened composite steel/copper</i>
		<i>Failure. (90% coverage)</i>	<i>case</i>
<i>Enable</i>	~	<i>Active Low</i>	<i>Environmental ~ -40 to +55C</i>
<i>Static Focus Adjust</i>	~	<i>0 to 10V</i>	<i>Dimensions ~ Fits within 65 X 60 X 17mm</i>
<i>Dynamic Focus Adj</i>	~	<i>0 to 5V</i>	<i>Mounting ~ Requires external locking guide.</i>
<i>First Anode Adjust</i>	~	<i>0 to 10V</i>	<i>Altitude ~ 50,000ft</i>
<i>Input Connector</i>	~	<i>Nanonics 19 way</i>	
		<i>NCG019SC2DC006</i>	
<i>Output Connector</i>	~	<i>Reynolds Industries Pee Wee</i>	
		<i>176-7937 mates with</i>	
		<i>3Pin Plug 288-0076</i>	

<b>HV OUTPUTS</b>		<b>LV OUTPUTS</b>	
<i>First Anode</i>	~	<i>2.3Kv @ 20uA</i>	<i>Heater Supply ~ 6.3VDC @150mA</i>
<i>Adj Range</i>	~	<i>+/- 200V</i>	<i>Adj Range ~ 3V3 to 7V</i>
<i>Focus Anode</i>	~	<i>2.5Kv @ 500uA</i>	<i>Reference Output ~ 10V +/- 0.1% @ 10mA max</i>
<i>Adj Range</i>	~	<i>-1000V, +500V</i>	
<i>Dynamic Focus</i>	~	<i>0-30V</i>	<i>SC Protection ~ Yes</i>
<i>Final Anode</i>	~	<i>12-14Kv @ 200uA</i>	
<i>Load Regulation</i>	~	<i>&lt;0.1%</i>	
<i>Line Regulation</i>	~	<i>&lt;0.1%</i>	
<i>Temperature Reg</i>	~	<i>25 ppm/C</i>	
<i>Output Ripple</i>	~	<i>0.2% pk to pk</i>	