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**MODEL**  
**POWERMAX**  
**HV POWER SUPPLY**  
**DATA SHEET 783**

# **POWERMAX™ INTEGRATED HV POWER SUPPLY**

- ✓ **1-9 KV OUTPUT**
- ✓ **30 WATT OUTPUT**
- ✓ **FLEXIBLE MOUNTING**

*The PowerMax Integrated HV Power Supply is useful for powering tall the supply requirements of Quantum HV Pulsers from the HVP-525, 590 series to the New SUNFIRE AND STARFIRE HV switching systems for pockels cells/Q-switches used in Regen Pulse Picker and Cavity Dumper applications. This is an economical OEM type package with HV disable/current limit/remote HV control and DC voltage monitor. The unit is generally conductively cooled running off 24V supply to power the internal HV electronics.*

## **POWERMAX™ INTEGRATED HV POWER SUPPLY Specifications**

<b>Models:</b>	<b>POWERMAX-6005 6KV, 5mA</b> <b>POWERMAX-9003 9.5KV, 3mA</b>
<b>Voltage Stability:</b>	<b>.02%</b>
<b>Line/Load Regulation:</b>	<b>&lt;0.01%</b>
<b>Voltage monitor into 10Mohm:</b>	<b>1V per KV (+/- 2%)</b>
<b>Disable Voltage:</b>	<b>3-24V in &gt;10 Kohm</b>
<b>Auxillary Voltages:</b>	<b>325 V, Vin</b>
<b>I/O Connector:</b>	<b>5 pin molex plug</b>
<b>HV Output Connector:</b>	<b>SHV</b>
<b>LV Output Connector:</b>	<b>Mini-DIN</b>
<b>Input Power Connector:</b>	<b>2.5 mm power jack</b>
<b>Status Indicator LEDs:</b>	<b>LV main power on HV power on/Shut down</b>
<b>Fault conditions:</b>	<b>Voltage Limit, Current Limit, Thermal Shut down</b>
<b>Input Voltage</b>	<b>24V, 35W (15V on some units)</b>
<b>Size:</b>	<b>4x4x1.5 inches not including I/O pins</b>