



**HVPSI**

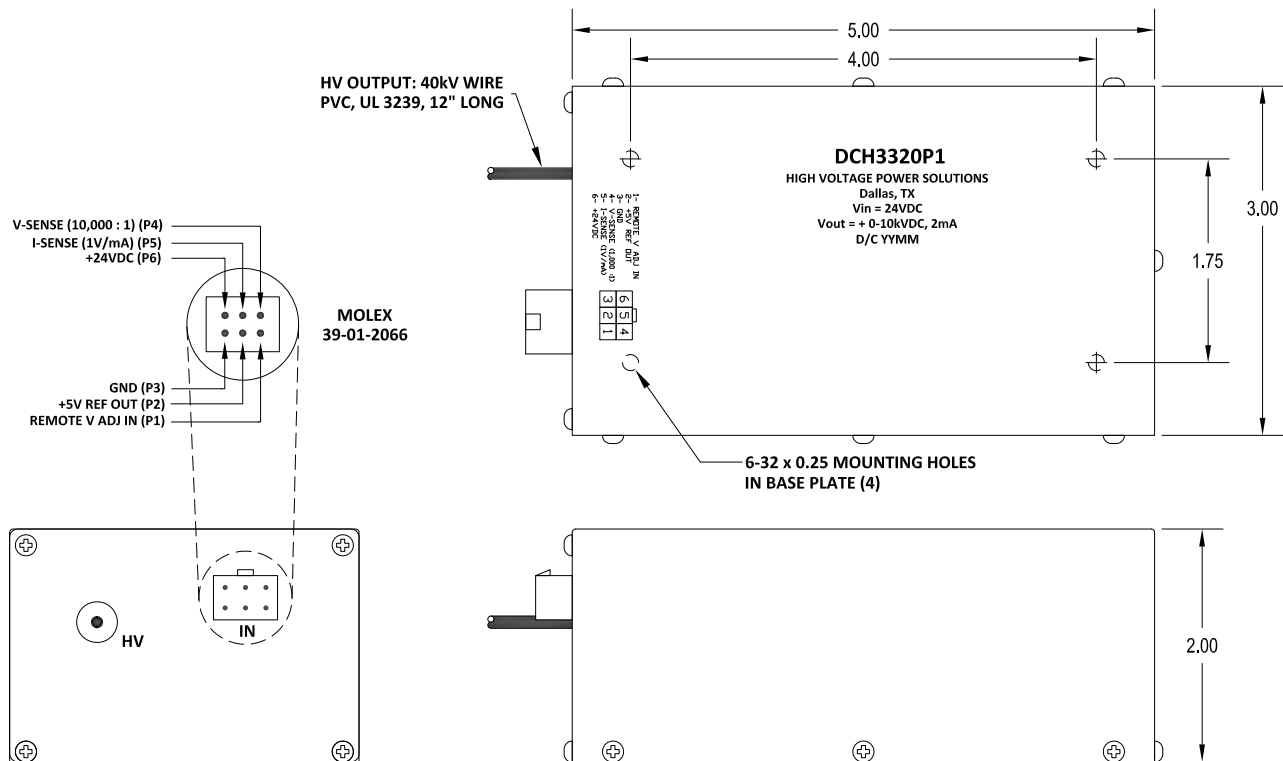
## DCH3320 Series

Regulated/Remote Adjustable 0 to 10kV  
DC-DC High Voltage Power Supply

- 24VDC Input voltage
- 0 to 10kV Adjustable Output voltage
- Remote Adjust 0 to 5V (5V Reference provided)
- Output Current 0 to 2mA
- 0 to 20W Output power
- >70% Efficiency
- Current Sense Output
- Foldback Current Limiting
- 1000:1 Voltage Sense Output
- Short-Circuit Protected
- Base-plate Mounting
- Resonant Switch Mode Topology
- Aluminum Enclosure
- Low Ripple



	Conditions	Value	Units
<b>Input</b>			
<b>Input Voltage</b>	All Versions	24	VDC
<b>Power</b>	At Max load	28	W
<b>Output</b>			
<b>Voltages Available</b>	Primary Output	±10	kVDC max
<b>Voltage Adjustment</b>	0 to 5 VDC Input	0 to 100%	-
<b>Power</b>	Nominal Input, Max Vo	20	W
<b>Current, Primary Output</b>	Nominal Input, Max Vo	2	mA
<b>Regulation, Primary Vo</b>	Any Static Load, Max Vo	1%	VDC
<b>Line Regulation</b>	Over Input Range	0.1%	VDC
<b>Ripple</b>	Full Load, Max Vo	2.5%	Vp-p
<b>Stability</b>	Over 8hr, 30 min warm up	<0.2%	VDC
<b>Environmental</b>			
<b>Operating Temperature</b>	Case Temp, Full Load, Max Vo	0 to +60	°C
<b>Temp Coefficient</b>	Over the Operating Temperature	0.01	%/°C
<b>Storage</b>	Non-Operating, Case Temp	-40 to +85	°C
<b>Humidity</b>	Non-Condensing	0 to 95%	RH
<b>Altitude</b>	Standard Operating Conditions	0 to 10000	Feet



Part Number	Input Voltage	Output Voltage	Polarity	Output Power	Maximum Output Current
DCH3320P1	0 to 24 VDC	0 to 10kV	Positive	20 Watts	2mA
DCH3320N1	0 to 24 VDC	0 to -10kV	Negative	20 Watts	2mA

### Applications:

- Photomultipliers
- Ionizers
- CRT Grid Circuits
- Biasing
- Dielectric Testing
- Piezoelectric Drivers
- Electrostatic Chucks
- Sealing Applications
- Ink Jet Printers
- Photo Detectors

### Mechanical:

- Dimensions: 5.0" x 3.0" x 2.0"
- Molex 03-06-2062 Connector
- Weight: 18.0 Ounces
- Operating Temperature Range: -40°C to +70°C