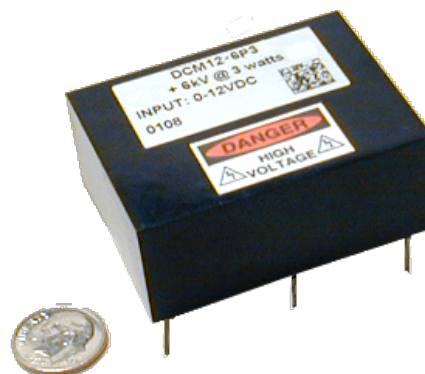




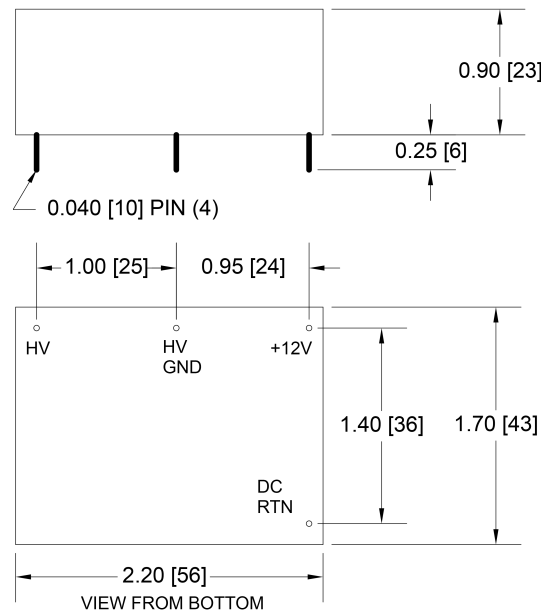
# DCM12 Series

Proportional DC-DC  
High Voltage Modules

- 0 to 6kV of output voltage
- Up to 3W of output power
- 0 to 12VDC Input voltage
- Zero to Full Output (proportional to input)
- Short-circuit Protection
- Rugged, encapsulated module
- Sine-wave topology
- Low ripple



	Conditions	Value	Units
<b>Input</b>			
<b>Input Voltage</b>	All Versions	0 to 12	VDC
<b>Power</b>	At Max load	<5	W
<b>Output</b>			
<b>Voltages Available</b>	Primary Output	±4	kVDC max
		±6	kVDC max
<b>Voltage Adjustment</b>	Proportional to Input	0 to 100%	-
<b>Power</b>	Nominal Input, Max Vo	3	W
<b>Current, Primary Output</b>	Nominal Input, Max Vo	0.75	mA
		0.5	
<b>Regulation, Primary Vo</b>	Any Static Load, Max Vo	<25%	VDC
<b>Ripple</b>	Full Load, Max Vo	<0.5%	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	0.08	%/°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



DIMENSIONS IN INCHES [MM]

Part Number	Input Voltage	Output Voltage	Polarity	Output Power	Maximum Output Current
DCM12-4P3	0 to 12 VDC	0 to 4kV	Positive	3 Watts	750uA
DCM12-4N3	0 to 12 VDC	0 to -4kV	Negative	3 Watts	750uA
DCM12-6P3	0 to 12 VDC	0 to 6kV	Positive	3 Watts	500uA
DCM12-6N3	0 to 12 VDC	0 to -6kV	Negative	3 Watts	500uA

## Applications:

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

## Mechanical:

- Dimensions: 2.2" x 1.7" x 0.9"
- Pins: 0.40" Diameter
- Weight: 4.0 Ounces
- Operating Temperature Range: -40°C to +70°C