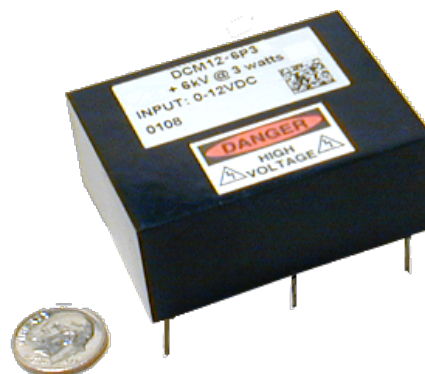




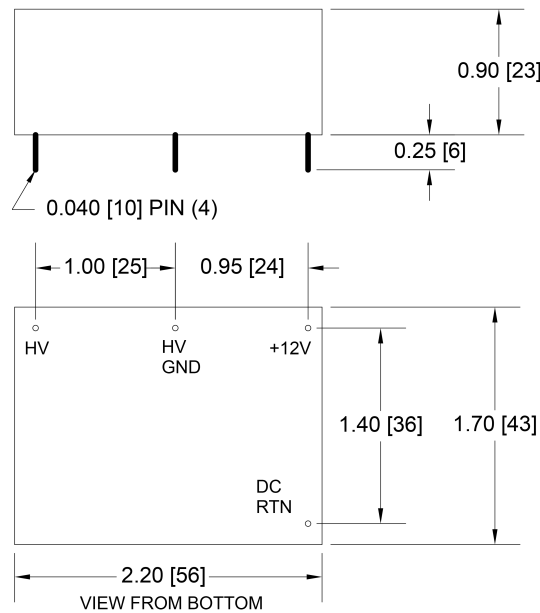
DCM12 Series

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
Input			
Input Voltage	All Versions	0 to 12	VDC
Power	At Max load	<5	W
Output			
Voltages Available	Primary Output	±4	kVDC max
		±6	kVDC max
Voltage Adjustment	Proportional to Input	0 to 100%	-
Power	Nominal Input, Max Vo	3	W
Current, Primary Output	Nominal Input, Max Vo	0.75	mA
		0.5	
Regulation, Primary Vo	Any Static Load, Max Vo	<25%	VDC
Ripple	Full Load, Max Vo	<0.5%	Vp-p
Stability	Over 8hr, 30 min warm up	<0.2%	VDC
Environmental			
Operating Temperature	Case Temp, Full Load, Max Vo	0 to +60	°C
Temp Coefficient	Over the Operating Temperature	0.08	%/°C
Storage	Non-Operating, Case Temp	-40 to +85	°C
Humidity	Non-Condensing	0 to 95%	RH
Altitude	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