



**HIGH VOLTAGE**  
POWER SOLUTIONS, INC.

# DCM Series

## Proportional DC-DC High Voltage Modules



### DESCRIPTION

High Voltage Power Solutions' (HVPSI) new DCM Series PCB mountable DC-DC Modules are designed for demanding laboratory and OEM applications. The DCM Series features output voltage proportional to input voltage for up to 6,000 volts, depending upon model. The DCM Series models are capable 3 watts output power. DCM Series units are fully encapsulated in epoxy resin for protection against humidity and environment.

### FEATURES

- 0-12VDC Input
- DC Output Proportional to Input
- Modules up to 6kV Output
- Positive and Negative Models
- 3 Watts Output Power
- Short-Circuit Protected
- Rugged, Encapsulated Module
- High Efficiency
- Low Ripple

### APPLICATIONS

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

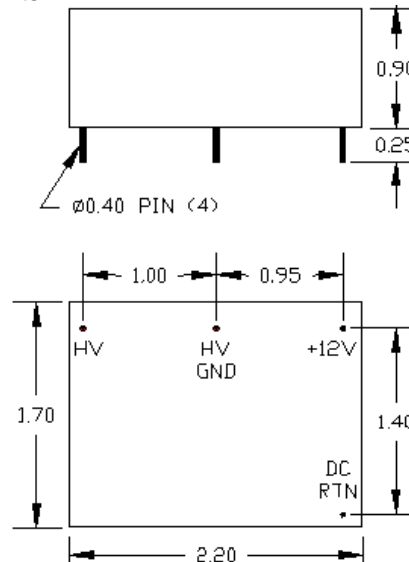
### MECHANICAL

- Dimensions 2.2" x 1.7" x 0.9"
- Pins: 0.040" Diameter
- Weight: 4.0 Ounces
- Operating Temperature Range: -40°C to +70°C

Model	Output Polarity	Output Voltage Range	Maximum Output Current
DCM12-1P3	Positive	0-1.5Kv	2.0 mA
DCM12-1N3	Negative	0-1.5kV	2.0 mA
DCM12-4P3	Positive	0-4.0kV	750uA
DCM12-4N3	Negative	0-4.0kV	750uA
DCM12-6P3	Positive	0-6.0kV	500uA
DCM12-6N3	Negative	0-6.0kV	500uA

### GENERAL INFORMATION

Custom requirements are welcome. Modifications to existing products and completely new designs are a standard part of our business. Our extensive design inventory and the use of our CAD/CAM design and manufacture allows for prompt and cost competitive quotations as well as reliable prototyping capabilities. Please feel free to contact us to discuss your custom requirements.



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Specifications subject to change without prior notification