

Programmable DC-DC High Voltage Modules



DESCRIPTION

High Voltage Power Solutions' (HVPSI) new DCMP Series PCB mountable programmable DC-DC Modules are designed for demanding laboratory and OEM applications. The DCMP Series features output voltage programmable by external voltage (0 – 5 VDC) or potentiometer (reference voltage provided) for up to 6,000 volts, depending upon model. DCMP Series units are fully encapsulated in epoxy resin for protection against humidity and environment.

FEATURES

- 15 VDC Input
- Externally Voltage Programmable
- 5 V Reference Voltage Output
- Modules up to 6kV Output
- Positive and Negative Models
- 3 Watts Max Output Power
- Short-Circuit Protected
- Rugged, Encapsulated Module
- Low (0.5%) 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 3.75" x 1.5" x 1.0"
- Pins: 0.040" Diameter
- Weight: 6.0 Ounces
- Operating Temperature Range: -40°C to +70°C

Model	Output Polarity	Output Voltage Range	Maximum Output Current
DCMP12-1P3	Positive	0-1.5kV	2.0 mA
DCMP12-1N3	Negative	0-1.5kV	2.0 mA
DCMP12-4P3	Positive	0-4.0kV	750uA
DCMP12-4N3	Negative	0-4.0kV	750uA
DCMP12-6P3	Positive	0-6.0kV	500uA
DCMP12-6N3	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.

