



HVPSI

HVP

High Voltage Products. High Voltage Experts.

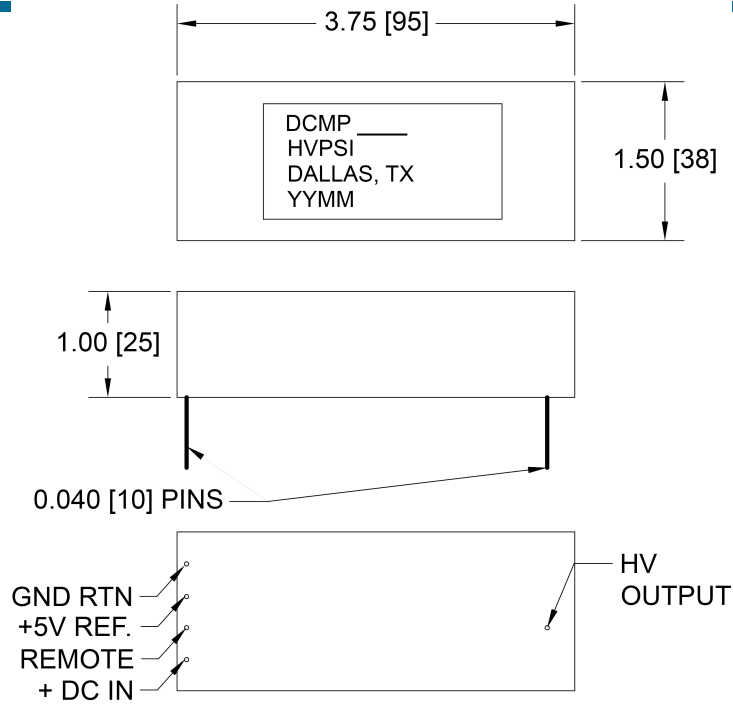
DCMP15 Series

Regulated/Adjustable DC-DC
High Voltage Modules

- 0 to 6kV of output voltage
- Up to 3W of output power
- 15VDC Input voltage
- Zero to Full Output
- Positive and Negative Models
- Externally Voltage Programmable
- Reference Voltage Output
- Short-circuit Protection
- Rugged, encapsulated module
- Sine-wave topology
- Low ripple
- PCB Mounting
- High Efficiency



	Conditions	Value	Units
Input			
Input Voltage	All Versions	15	VDC
Power	At Max load	<7.5	W
Output			
Voltages Available	Primary Output	±4	kVDC max
		±6	kVDC max
Voltage Adjustment	0 – 5 VDC Input	10% 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	<5% (positive models)	VDC
		<15% (negative models)	
Ripple	Full Load, Max Vo	<0.5%	Vp-p
Line Regulation	Over input V range, Full Power	<7.5%	VDC
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	0.10	%/°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
DCMP15-4P3	0 to 15 VDC	0 to 4kV	Positive	3 Watts	750uA
DCMP15-4N3	0 to 15 VDC	0 to -4kV	Negative	3 Watts	750uA
DCMP15-6P3	0 to 15 VDC	0 to 6kV	Positive	3 Watts	500uA
DCMP15-6N3	0 to 15 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: 3.75" x 1.5" x 1.0"
- Pins: 0.040" Diameter
- Weight: 6.0 Ounces
- Operating Temperature Range: -40°C to +70°C