



HVPSI

DCH3034 Series

Input-Output Proportional 0-30 kV DC-DC
HV Power Supply

DESCRIPTION:

The DCH3034 series of high voltage DC-DC power supplies are designed for demanding laboratory and OEM applications. The power supplies feature output voltage proportional to input voltage for voltages up to 30kV. This series also features a 1000:1 voltage monitor, scaled to match most common 10MΩ handheld voltmeters. The modules are fully encapsulated in epoxy resin for protection against humidity and environment.

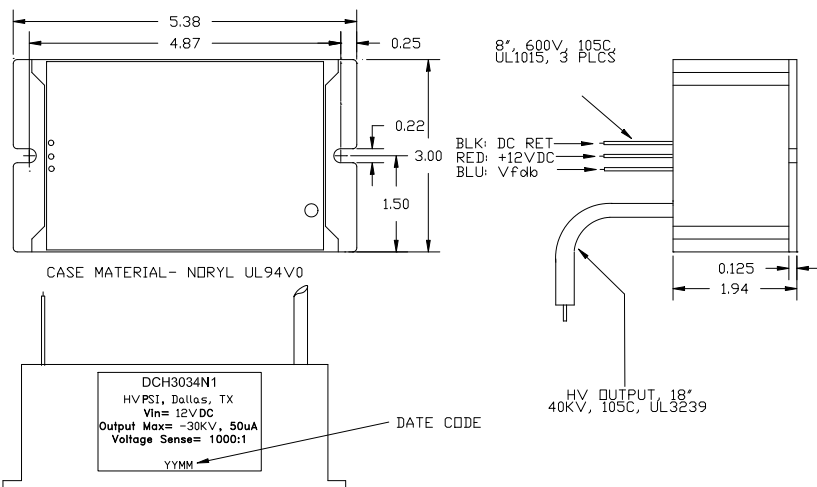
FEATURES

- 12VDC Input
- 1000:1 Feedback Voltage Divider (matched for 10MΩ meter)
- Zero to Full Output
- Positive and Negative Models
- Up to 50uA Output Current
- Short-Circuit Protected
- Rugged, Encapsulated Module
- Low EMI Sine-wave Topology
- Aluminum Enclosure
- Mounting Flange
- Low Ripple

Model	Output Polarity	Output Voltage Range	Maximum Output Current
DCH3034N1	Negative	0-30kV	50uA
DCH3034P1	Positive	0-30kV	50uA

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: 5.38" x 3.00" x 1.94"
- Input Wires: 600V, 105C, UL1015
- Output Wire: 40kV, 105C, UL3239
- Weight: 14.0 Ounces
- Operating Temperature Range: -40°C to +70°C

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.



High Voltage Products. High Voltage Experts.

www.hvproducts.de
info@hvproducts.de

HVP High Voltage Products GmbH Bunsenstr. 5 82152 Martinsried/Planegg +49 89 891 374 80

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