



DCH3053 Series

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

DESCRIPTION

The new High Voltage Power Solutions (HVPSI) DCH3053 series high voltage power supplies are designed for demanding laboratory and OEM applications. The DCH3053 series features 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 10M Ω handheld voltmeters. High Voltage Power Solutions (HVPSI) units are fully encapsulated in epoxy resin for protection against humidity and environment.

FEATURES

- 12VDC Input
- 1000:1 Feedback Voltage Divider (matched for 10M Ω 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

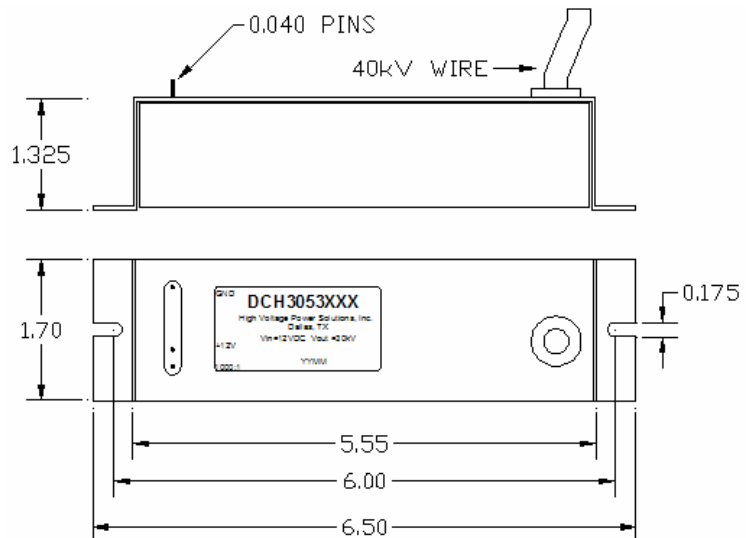
APPLICATIONS

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

MECHANICAL

- Dimensions 6.5" x 1.7" x 1.325"
- Pins: 0.040" Diameter
- Weight: 14.0 Ounces
- Operating Temperature Range: -40°C to +70°C

Model	Output Polarity	Output Voltage Range	Maximum Output Current
DCH3053P1	Positive	0-30kV	50uA
DCH3053N1	Negative	0-30kV	50uA



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.