



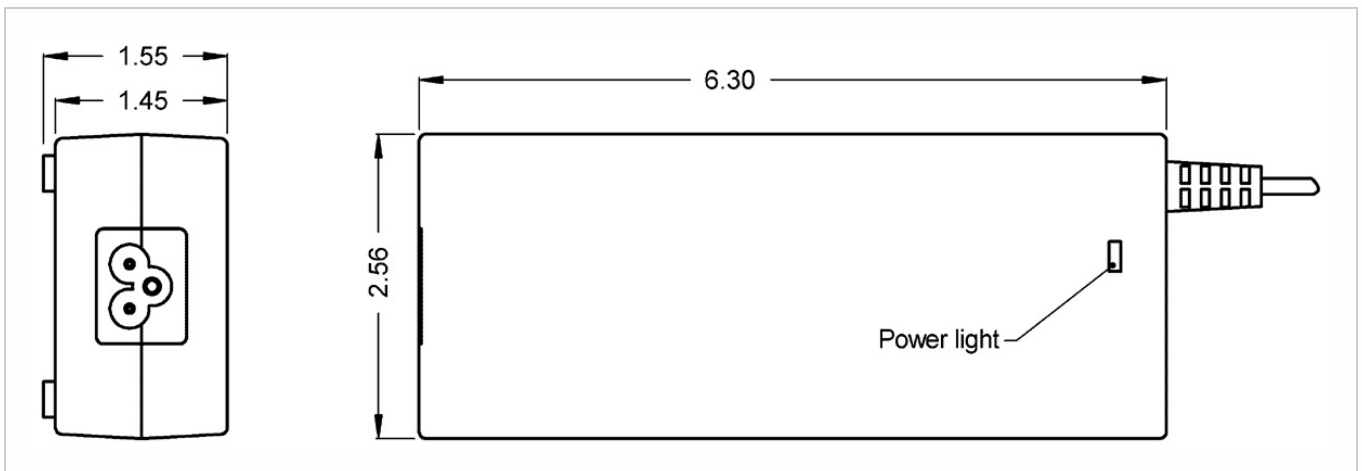
The PS-48 is no longer available for purchase.

PS-48 Product Description

The PS-48 is a 120 W regulated switching power supply that outputs 48 VDC @ 2.5 A. The power supply covers voltage inputs ranging from 100 VAC to 240 VAC. Typical efficiency is 86%, and the output is short circuit protected. When an output short is present, the power supply will try and switch on every 10 seconds. A power-on LED is provided.

The output connector is a 2.1 mm circular plug attached to a 24-inch-long cable. A 6-foot-long 120VAC power cord comes standard with the PS-48.

Mechanical Drawings



Specifications

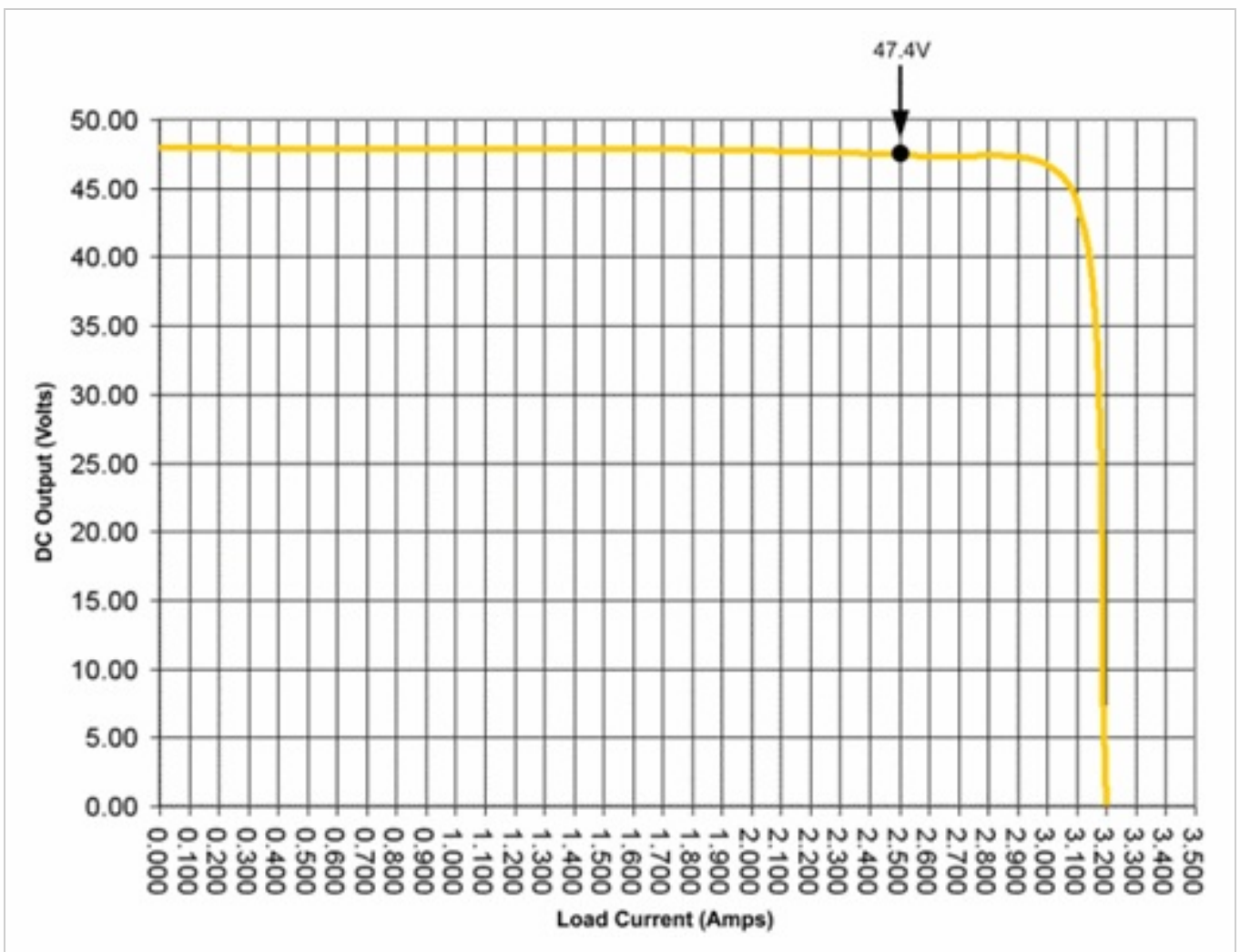


PS-48 REGULATED SWITCHING 48 V (2.5 A) POWER SUPPLY

SPECIFICATIONS

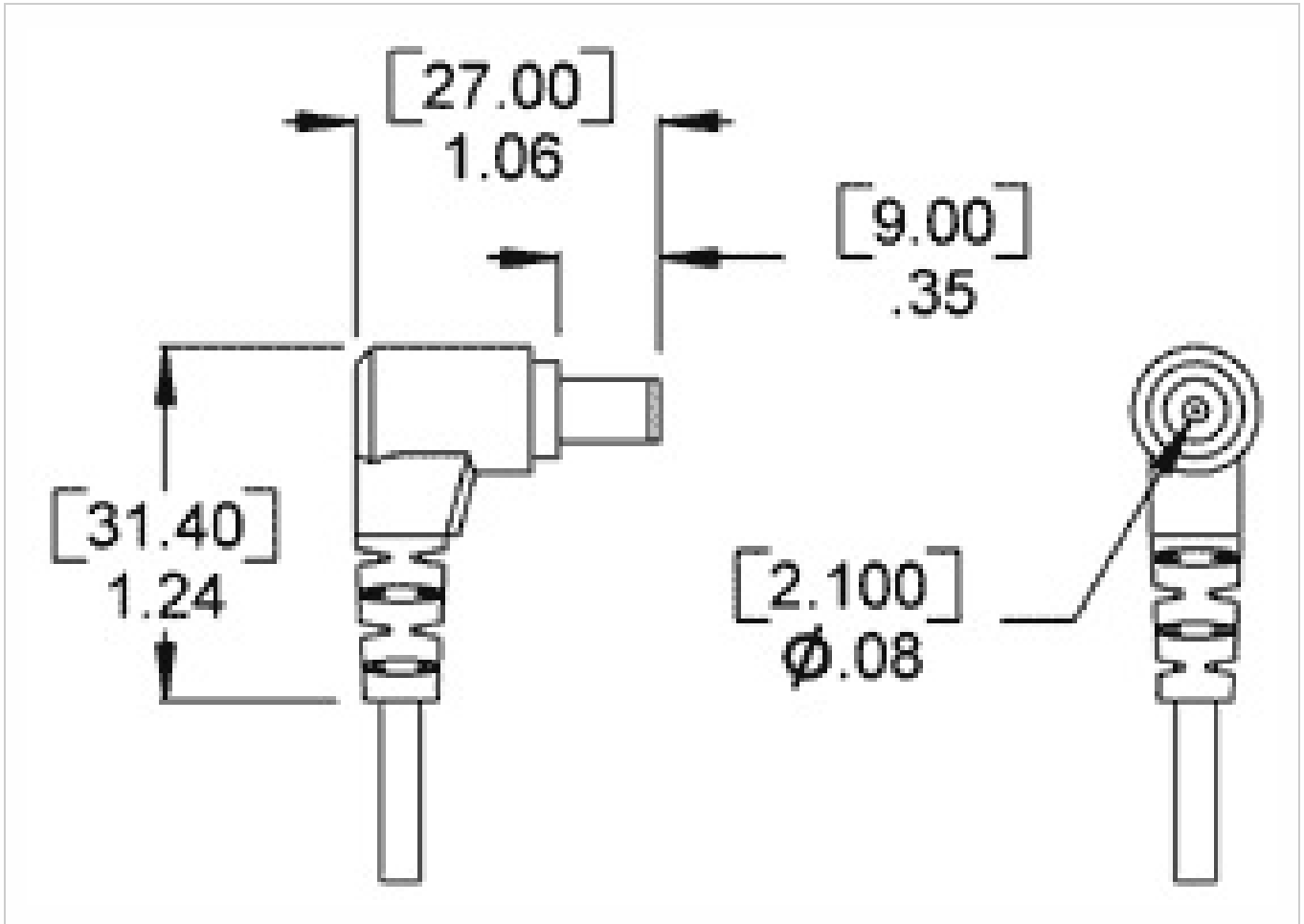
| | |
|-----------------------|---|
| Input Voltage | 85 VAC to 240 VAC |
| Output Voltage | 48 VDC \pm 5% |
| Input Frequency | 47 Hz to 63 Hz |
| Ripple & Noise | \pm 400mV maximum |
| Operating Temperature | 0 C to 40 C |
| Storage Temperature | -20 C to 60 C |
| Protections | Over voltage, current and short circuit |
| EMI | EN55022 & EN55024 |
| Size (inches) | 1.46 x 2.56 x 6.58 (HWL) |

OUTPUT VOLTAGE VS. LOAD





CONNECTOR





PRODUCT CHANGE NOTIFICATIONS

| Title | Date | Description | Download |
|----------------------|-----------|---|--|
| PCN 4464 - CE - RoHS | 6/30/2014 | <p>US Digital is aware of the increasing attention to world-wide environmental regulations, specifically with regard to the need for hazardous substance restrictions in electronic components and systems. As of July 10th, 2014 US Digital will now be CE Marking certain products inline with compliance under RoHS Directive (2011/65/EU). In order to achieve RoHS Compliance, the products will not contain more than the acceptable levels of the listed restricted substances within the RoHS 2011/65/EU directive.</p> <p>Part Numbers Affected:</p> <ul style="list-style-type: none"> • ED3 • USB4 • QSB • SEI-USB • MD2S • PS-5, PS-12, PS-24, PS-48 (Power Supplies) • PE <p>For the part numbers listed above, US Digital cannot confirm that they meet Low-Voltage and EMC Directives and for that reason US Digital cannot support shipping those products / product families into the CE required countries (For Example countries in the EU). Those products can still be shipped to Non-CE required countries with a Statement of Material Conformance to the RoHS Directive 2011/65/EU, in place of a RoHS Compliance Declaration.</p> | <p>Download (https://www.usdigital.com/support/resources/product-change-notifications/pcn-4464-ce-rohs/)</p> |

Notes

- Cables and connectors are not included and must be ordered separately.
- US Digital® warrants its products against defects in materials and workmanship for two years. See complete warranty (<https://www.usdigital.com/company/warranty>) for details.