

PS-125-11, PS175-11, PS300-11

CERMAX[®] LAMP POWER SUPPLIES



Description

The Cermax[®] xenon arc lamp power supplies are innovative power supplies designed for the specialty lighting industry. They are designed for use in a wide variety of high performance applications including medical, dental, endoscopic, industrial, and projection.

PerkinElmer's Cermax[®] power supplies are especially designed to meet requirements of PerkinElmer's Cermax[®] and xenon short arc lamps for medical and industrial applications. Power supplies are designed to meet exceptional reliability and safety standards. PerkinElmer's power supplies are matched with ultra-long life igniters, suitable for dental and other applications requiring a very high

number of ignitions. Power supplies are available from 50 watts to 700 watts.

In addition to power supplies, PerkinElmer manufactures Cermax[®] arc lamps, lamp holders, OEM lighting systems, and fiber optic light sources.

Features

- Ultra-long life igniter
- Automatic shut-down if lamp acquires an internal short or if lamp output current exceeds 25 amps.
- Indication given if lamp voltage exceeds 23 volts (useful for lamp age indicator)
- Remote enable and disable
- Modulation input: depth to 80%, frequency up to 1.33 KHz
- Remote current regulation capability (useful for constant light output application)
- Lamp on indicator

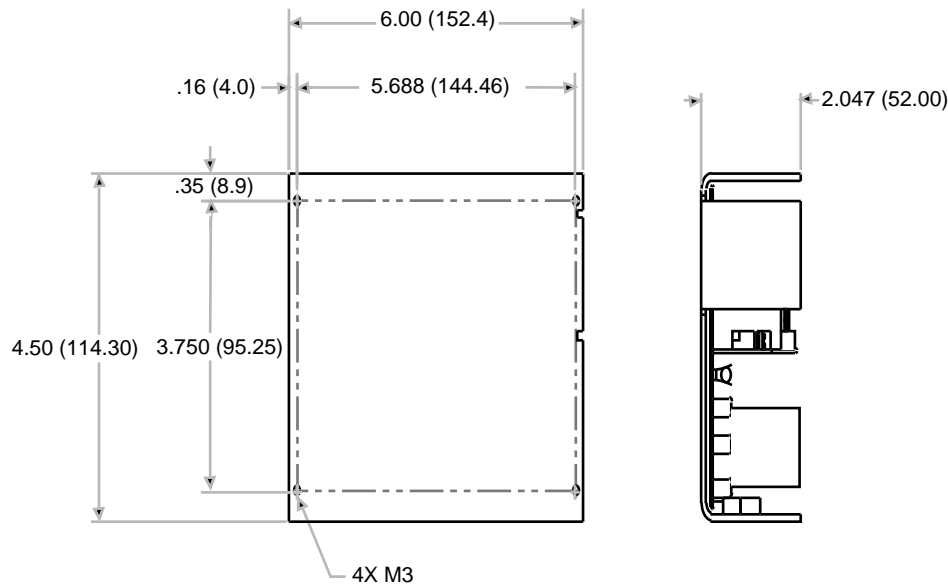


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Mechanical and Environmental Specifications

Description	Nominal
Operating voltage	90-132, 180-264 Auto Select
Input frequency	50/60 Hz
Maximum input current	6A
Nominal current	12A (PS125-11); 14A (PS175-11); 21A (PS300-11)
Maximum output current	14A DC (PS125-11); 16A DC (PS175-11); 23A DC (PS300-11)
Output current range	4-24A
Operating temperature	6% - 45P C (sea level)
Operating humidity	10% - 95% RH non-condensing
Trigger voltage	>28 KV
Fan output	12V DC (nom.) @ 0.75A (max)
Output current ripple	<3% RMS @ 0-1 KHz <2% RMS @ 0-1MHz
Minimum air flow	>59 CFM (PS300-11)
Regulatory approvals	UL2601-1, CSA22.2 No. 606.1 CB Certified

Physical Dimensions



For more information e-mail us at opto@perkinelmer.com or visit our web site at www.perkinelmer.com/opto.
All values are nominal; specifications subject to change without notice.

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