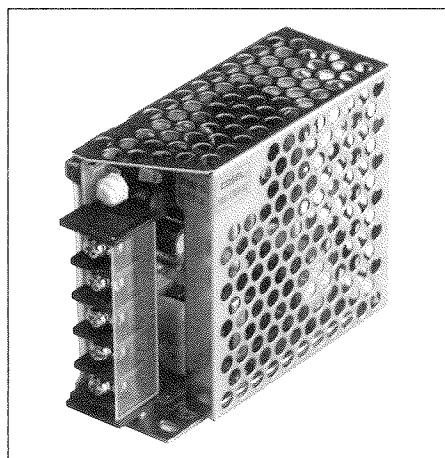




PSBA-120

Power Supply

15V dc output switching-type power supply with 1A load capacity for BEAM ARRAY™ systems



Product Description

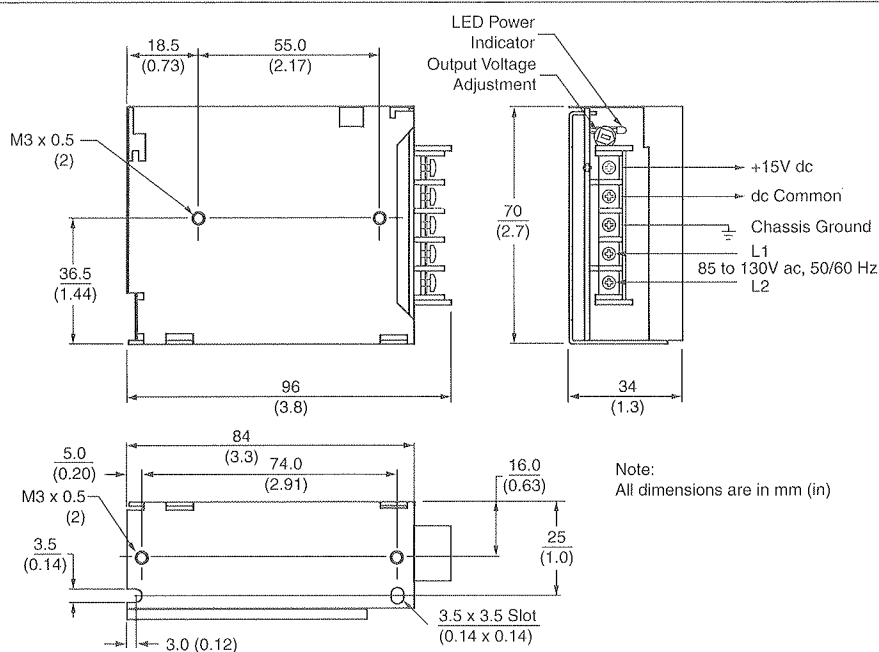
The Banner model PSBA-120 is a small, rugged, regulated, switching-type power supply that is recommended for powering BEAM-ARRAY™ Measuring Light Curtain Systems that use the model BC1T Serial Control Module. The PSBA-120 operates from 85 to 130V ac (50/60 hz) and provides regulated output of 15V dc \pm 1V (1 amp max. load). This is sufficient to power two light curtain /BC1T systems.

The PSBA-120's combined ac ripple and noise component is less than 150 mV. The noise component frequency is greater than 50 kHz. Its RFI characteristics exceed FCC Class B requirements. The operating temperature range of the PSBA-120 is 0 to 40°C (+32 to 104°F); 50°C (122°F) maximum (see specifications). The operating humidity range is 20 to 90% non-condensing. The PSBA-120 measures only 3.8" x 2.7" x 1.3", and uses a safe, closed-frame design. The PSBA-120 is short-circuit protected. Protection activates at 1.05 amps and is self-restoring.

PSBA-120 Features

- Small, light weight switching-type power supply
- 85 to 130V ac input, 50/60Hz, 21 watts
- Regulated 15V \pm 1V dc output; 1 amp max.
- Easily powers two BEAM ARRAY™ systems
- Safe, rugged, closed-frame construction; UL recognized and CSA certified

Dimensions



Product Specifications

Supply Voltage	85 to 130V ac, 50/60Hz, 21 watts
Output Voltage	15V dc (\pm 1V dc), 1 amp maximum (regulated)
Output Regulation	1.4% over full input voltage range; 3% from 0.1 to 1.0 amp load
Combined AC Ripple & Noise Component:	<150mV. Noise component >50Hz
Short Circuit Protection	Activates at 1.05 amp; self-restoring
Operating Temperatures	0 to +40°C (+32 to 104°F); 50°C (122°) maximum. Output capacity derates to 0.5 amps at 50°C (122°F).
Operating Humidity	20% to 90% relative humidity
Storage Weight	0.62 lbs. (0.28 Kg).

For information on Banner BEAM-ARRAY™ Measuring Light Curtain Systems, consult Banner product data sheet 03526. See data sheet 03577 for information about the model BC1T Serial Control Module.

WARRANTY: Banner Engineering Corporation warrants its products to be free from defects for one year. Banner Engineering Corporation will repair or replace, free of charge, any product of its manufacture found to be defective at the time the product is returned to the factory during the warranty period. This warranty does not cover damage or liability for the improper application of Banner products. This warranty is in lieu of any other warranty either expressed or implied.

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