## TRIPLE OUTPUT AUX SERIES High Voltage Biasing Supply

The AUX Series accessory provides second and third adjustable positive HV outputs in addition to the adjustable main positive high-voltage power supply output. The AUX outputs are set for a specific voltage range at the factory. One output is referred to as the Focus, one as the Grid. The AUX is achieved by adding a daughter board inside the 10A-35A high-voltage power supply. This AUX board is encapsulated with the main high-voltage power supply in a special taller enclosure to accommodate the height of the adjust pots. <u>Typical applications</u> are: CRT Raster Display, X-Y CRT Display, and E Beam Bias.

- Adds Focus and Grid outputs
- Encapsulated within 10A-35A Series
- Adjustable regulated outputs
- Creates a 6.5 in<sup>3</sup> triple output supply

## HIGH VOLTAGE AUX OUTPUTS

The AUX outputs are non-isolated, positive, unipolar outputs. Full capability is available over an input range of 12 to 15VDC  $\pm 10\%$  for 4W units and 24 to 28VDC  $\pm 5\%$  for 15W/30W units. The Focus AUX output voltage is fully functional when the main output is within the range specified on the ordering information table. The manufactured tolerance on the output voltage range provided is  $\pm 5\%$ . Line regulation error is <0.1%. Load regulation error is 0.5V per uA. The outputs have a temperature co-efficient of +0.11% per °C. Each AUX output has a current capability of 0 to  $\pm 25$ uA, contact factory for higher current. Each AUX output can be adjusted using an internal single-turn potentiometer. The potentiometer adjusts from a factory-set voltage down to 450VDC lower.

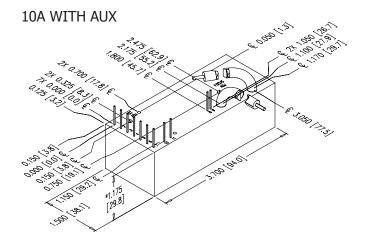


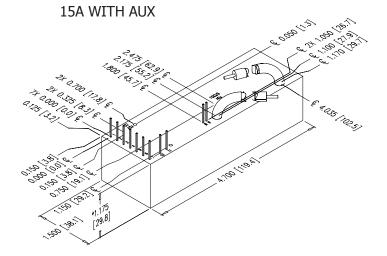
- Fixed-frequency, low-stored-energy design
- High power density
- Indefinite output short-circuit protection
- UL/cUL Recognized Component; CE Mark (LVD & RoHS)

Specific outputs available are:

Standard TC:	Compensated TC:
300V	500V ± 200PPM
450V	650V ± 408PPM
600V	800V ± 537PPM
750V	950V ± 626PPM
900V	1100V ± 690PPM
1050V	

The AUX Grid HV output is via pin 10 on an additional pair of standard .025in (0.635mm) square IDC pins. These pins can be used for PCB mounting or direct wiring. The AUX Focus HV output is via an 18" long flying lead. High voltage connector and cable options are available.





Specifications subject to change without notice.



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