

Portable X-Ray Power Supply

XRS035N100
XRS040N200

XRS Series

The XRS series of power supplies provide up to 8 watts of output power up to -40kV max.

The outputs are fully adjustable over the specified operating range. Rugged and light weight, the series features voltage & current programming, and voltage & current output monitors.



Features:

- Voltage & current programming
- Voltage & current monitoring
- Low ripple
- Excellent load & line regulation
- Light weight

ELECTRICAL RATINGS

Part Number	V _{MAX}	I _{MAX}
	kV	μA
XRS035N100	-35	100
XRS040N200	-40	200

Environmental:

- Storage Temperature -40°C to +85°C
- Operating Temperature -10°C to +60°C

SPECIFICATIONS

Input Voltage:	+12VDC ± 10%
Reverse Polarity Protection:	Series Diode
Max. Output Power:	8 Watts
Output Voltage Range:	-10kVDC to -40kVDC
Output Current:	0 to 200μA
Output Ripple Voltage:	< 1% peak to peak
Load Regulation:	1% for NL to FL change
Line Regulation:	1% over input range
Filament Voltage:	2VDC nominal
Filament Current:	300mA Max.
Interface Signals:	
• Output Voltage Control	0-4V = 0-100% ±2% of output
• Output Voltage Monitor	0-4V = 0-100% ±2% of output
• Output Current Control	0-4V = 0-100% ±2% of output
• Output Current Monitor	0-4V = 0-100% ±2% of output, ±2μA
• Enable	+5VDC = ON, <1VDC = OFF

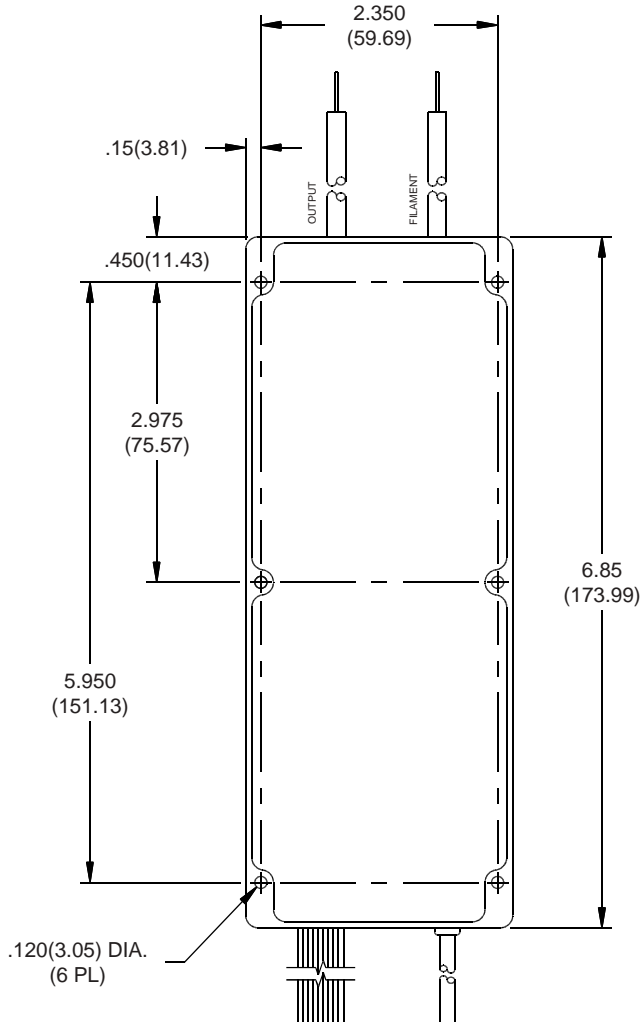
Dimensions: In. (mm) • Data subject to change without notice.



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XRS035N100 XRS040N200



INPUT	
RED	+12VDC
BLACK	Ground

INTERFACE
Voltage Program
Enable
Current Monitor
Current Program
Filament Ready
Voltage Monitor

