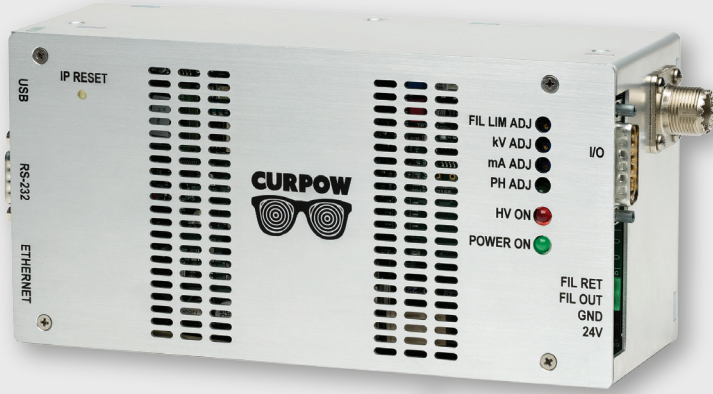
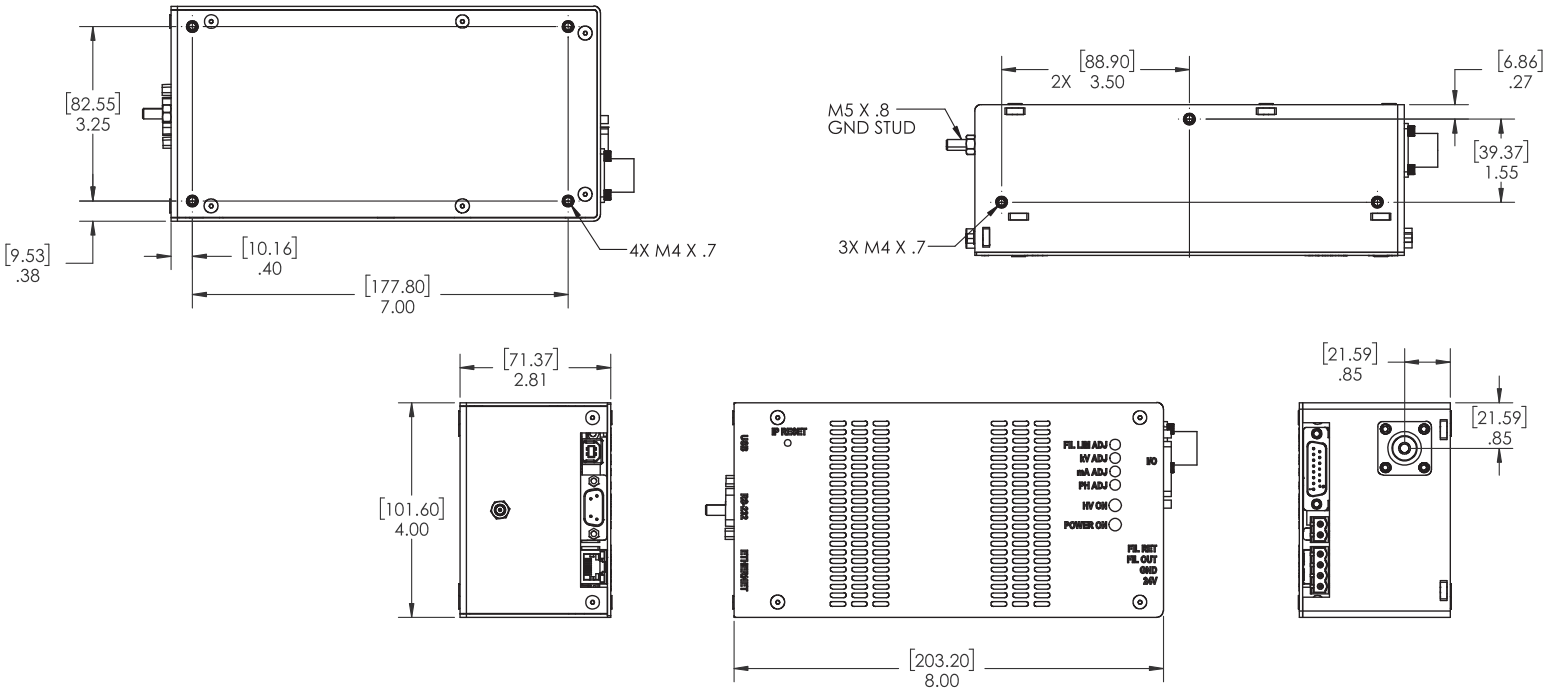




CP5050A HV X-RAY POWER SUPPLY



This compact, high voltage power supply is designed and optimized for packaged X-ray tubes, featuring built-in beam current regulation and filament control. Simple design requires only 24V to operate, enabling truly “plug and play” operation in an industry standard footprint. High-voltage and beam current can be controlled through on-board pots or standard 10V analog inputs. High-voltage and filament current ramp up linearly for fast starts. Safety features include interlock circuit as well as over voltage and over current protection.



SPECIFICATIONS

Input Voltage	24V @ 4A (max)
kV Control	Local: via Internal Potentiometer Remote: via External Voltage Source 0-10V
kV Range	0-50kV
Beam Current Control	0-1mA
Output Monitor	Voltage Monitor: 0 to 10V, +/-1% Current Monitor: 0 to 10V, +/-1%
Filament Control	5V/3.5A max
Regulation	Line: +/- 0.01% Load: +/- 0.01%
Ripple	0.2% p-p
Stability	0.05% / 8 hours for Voltage and Current

APPLICATIONS

- X-ray Fluorescence
- Small Feature Imaging
- Thickness Gauging
- Process Control
- Any Low-power X-ray Application