

X-RAY Power Supplies

XRR Series 50kV 50W

1082-06A-1



■ FEATURES

- For grounded Cathode X-ray Tubes
- Long life time with all solid-state components
- Adjustable filament current
- Overvoltage and short circuit protection
- Filament protection at low anode voltage
- Door switch

■ APPLICATIONS

This compact module incorporates adjustable beam, bias and filament supplies for low power X-ray applications.

High voltage and filament current ramp up linearly for fast starts. Constant emission current is adjustable from 0 to full output for precise emission control.

Output Voltage (kVdc)	Output Current (mA)	Model	Input Current (Amax)	Filament Supply
0 to +50	1	XRR-505-50	4	3.5V / 3.5Adc, Compliance Voltage 4.5V

■ SPECIFICATIONS

Input Voltage/Current	24V±10%, 4A max
Anode Voltage Control	Local : via internal multi-turn potentiometer Remote : via external voltage source 0 to 10V (Accuracy ±1%, Input impedance 1MΩ)
Anode Current Control	Local : via internal multi-turn potentiometer Remote : via external voltage source 0 to 10V (Accuracy ±1%, Input impedance 1MΩ)
Regulation	Line : ±0.01%, Load : ±0.01%
Ripple	0.05%p-p
Stability	0.05%/8Hr
Temperature Coef.	0.01%/°C
Operating Temperature	0°C to + 50°C
Monitor Output	Anode Voltage : 0 to 10V, ±1% accuracy F.S, output impedance 1kΩ Anode Current : 0 to 10V, ±1% accuracy F.S, output impedance 1kΩ
Remote ON/OFF	SHORT : HV/ON OPEN : HV/OFF
Protection	Over voltage, Over current protection Arc, Short circuit, Door switch Filament protection at low anode voltage

Note : These specifications are at the maximum rated output after warm-up unless otherwise specified.
: Specifications in this catalog might be changed.

■ OPTION

- LB** Bias Supply
-30V to -300V adjustable
 - LX** HV connector compatible with XR series
Add " L " mark to the model number.
(i.e.) XRR-505-50-LBX
 - Output Cable** output HV cable (flying lead) 1.5m
Part# CN-XRR (1.5)
CN-XR (1.5) (for-LX option)
- (When a connector of the suitable X-ray tube is required, please contact us.)

■ WEIGHT

4.4lb

