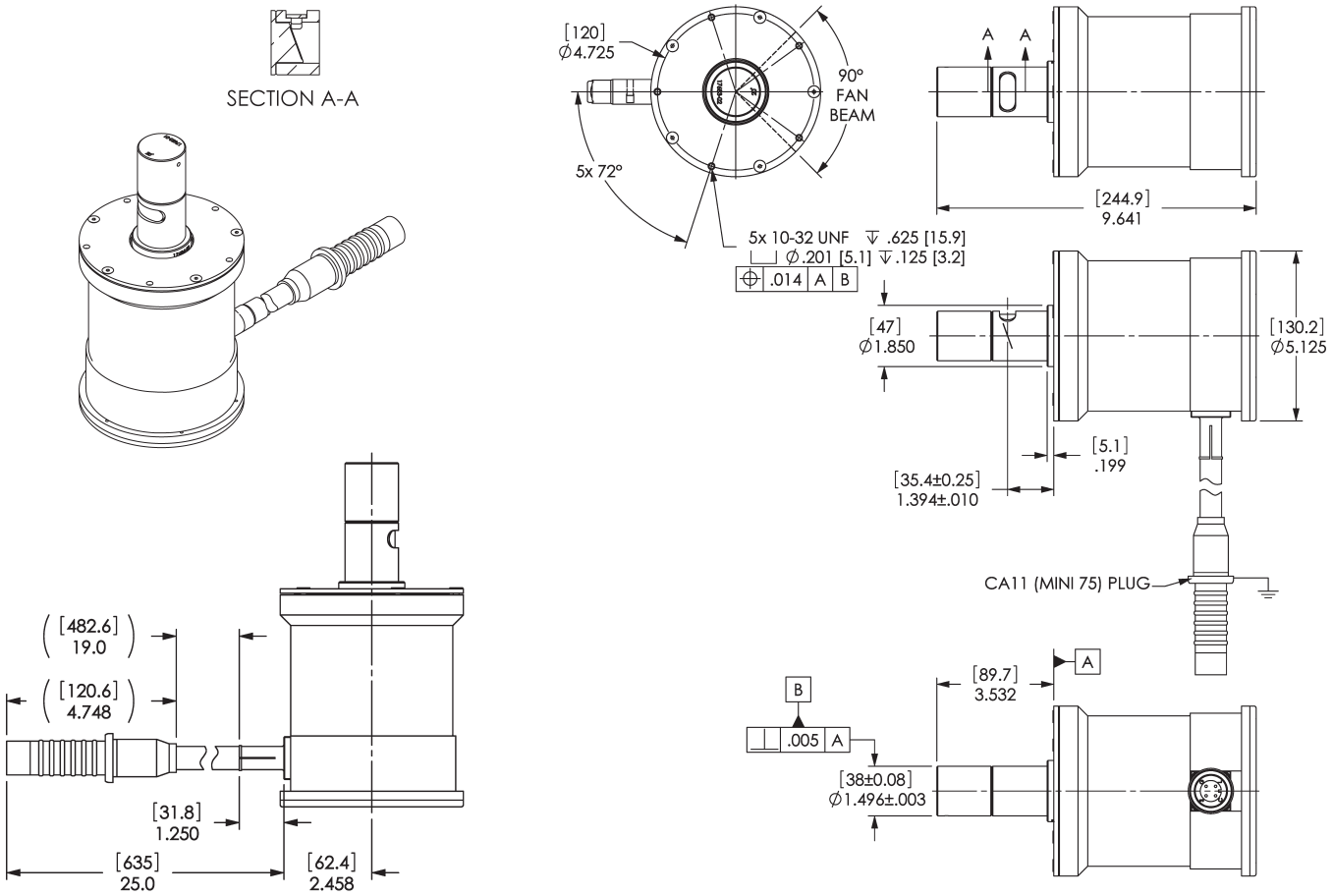
MCS-80

Stationary Anode X-Ray Tube

Product Description

The MCS-80 is an 80 kV, air cooled stationary anode metal ceramic X-ray source assembly specifically designed for Non-Destructive Imaging Applications.

Maximum Tube Voltage	80 kV
Continuous Rating	200 Watts
Focal Spot EN12543	D = 1.5 mm
Focal Spot Nominal	1.3W x 1.3L
Filament Current Maximum	4.4 A
Filament Voltage Maximum	2.5 V
Inherent Filtration	2.0 mm Be
Target Material	Tungsten
Target Angle	20°
Radiation Coverage	90° x 30°
Cooling Medium	Conduction
Weight (approx.)	6.0 kg (13.2 lbs)

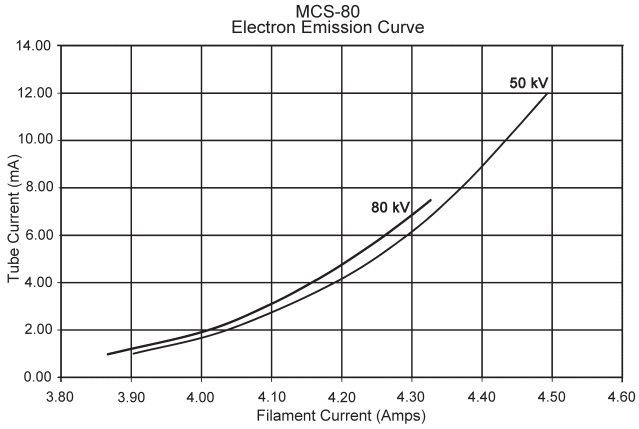


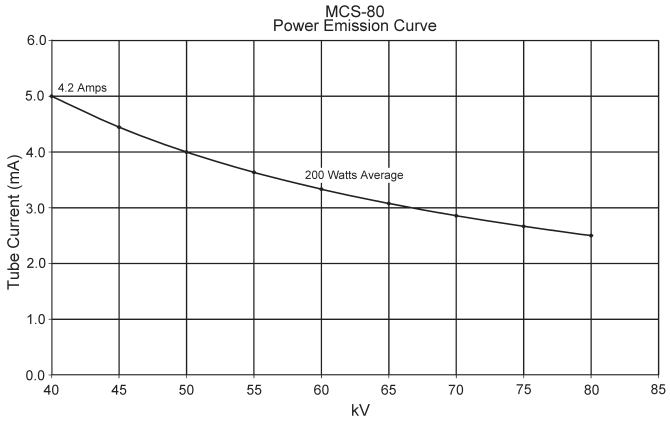
Warning

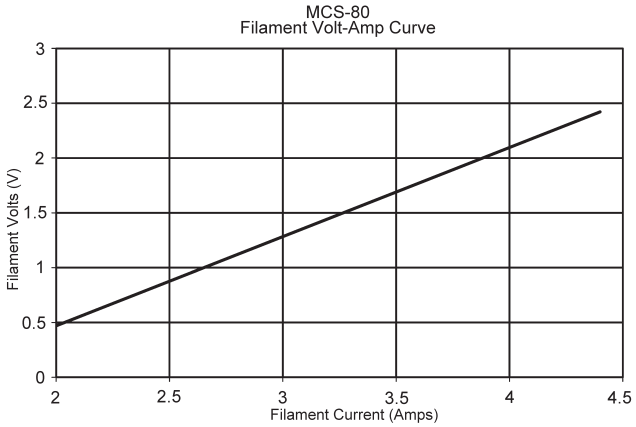
Beryllium windows transmit a very high level of long wavelength X-radiation, which can injure human tissue. Injury may occur from even very short exposures to the primary X-ray beam. Follow all precautions necessary to avoid radiation exposure to humans.

The radiation dose rate cannot be accurately measured with conventional radiation measurement instruments. Radiation intensity in each installation will vary, and calibration must include the effects of long wavelength X-radiation.

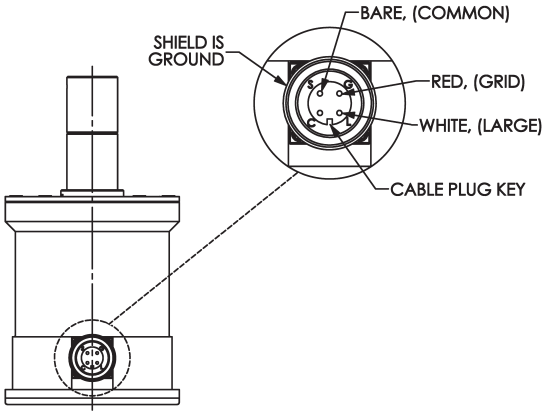
Fumes from beryllium metal (or its compounds) as well as dust can be hazardous if inhaled. During use, corrosion products may occur on the beryllium window, but these should not be scraped off, machined, or otherwise removed. Tube unit disposal should conform to federal, state, and local regulations governing beryllium.

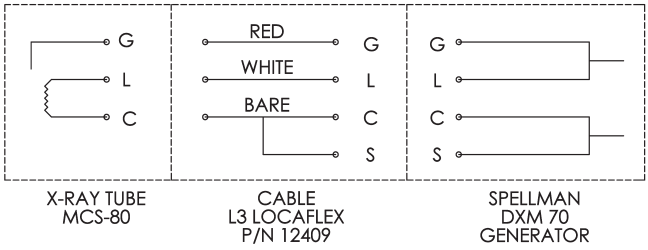






WIRING DIAGRAM





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Specifications subject to change without notice.