

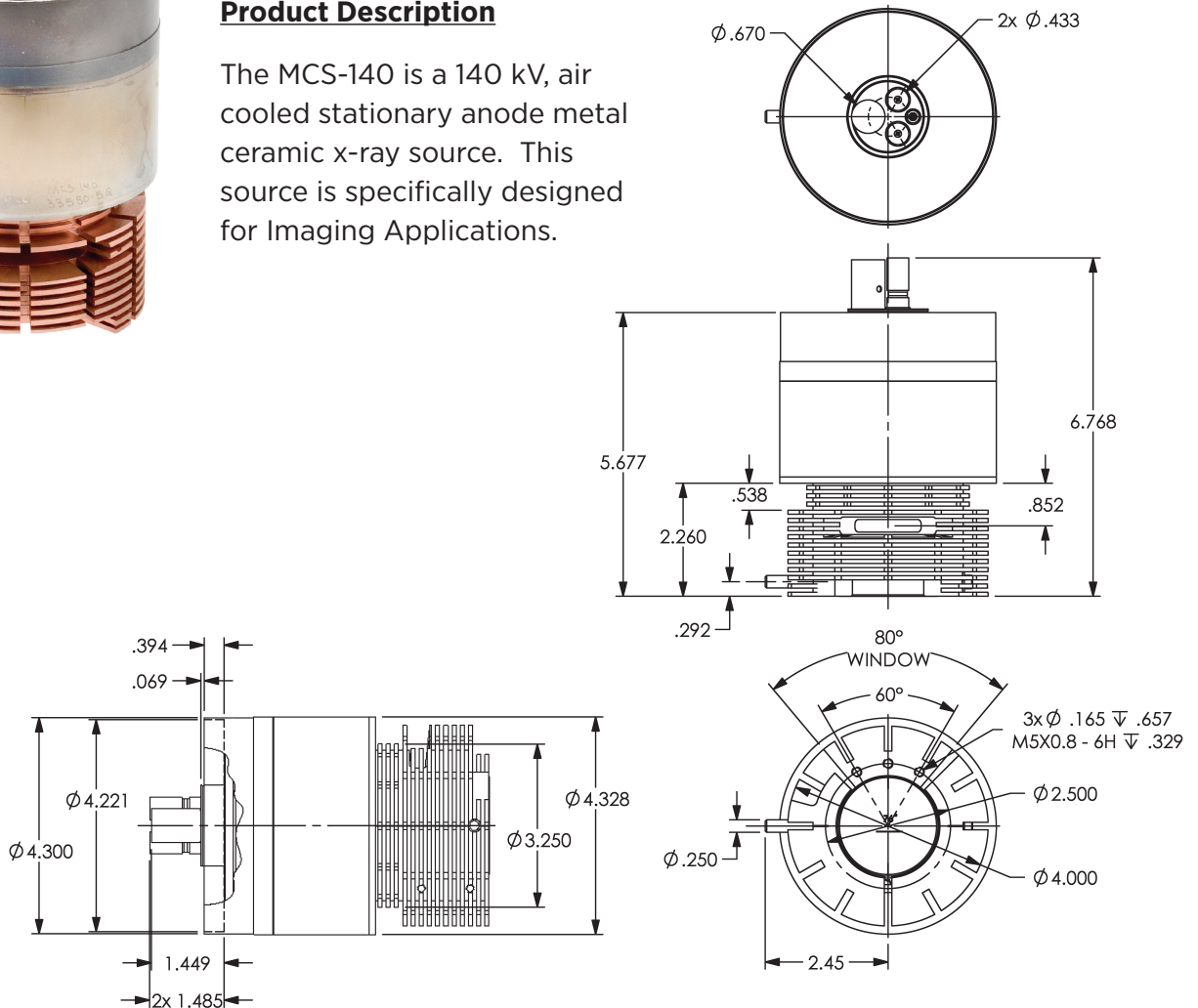
# MCS-140

## Stationary Anode X-Ray Tube



### Product Description

The MCS-140 is a 140 kV, air cooled stationary anode metal ceramic x-ray source. This source is specifically designed for Imaging Applications.

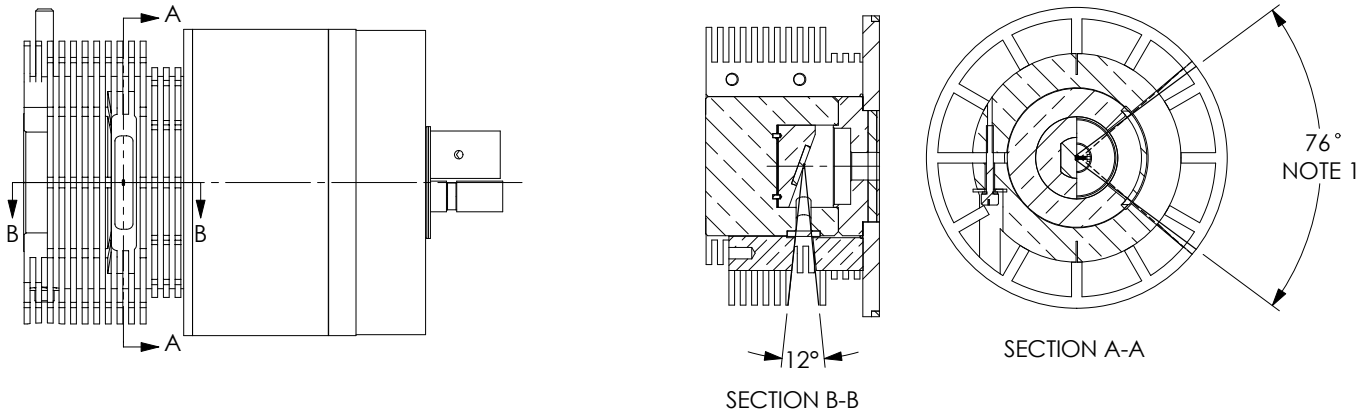


### X-Ray Tube Specifications

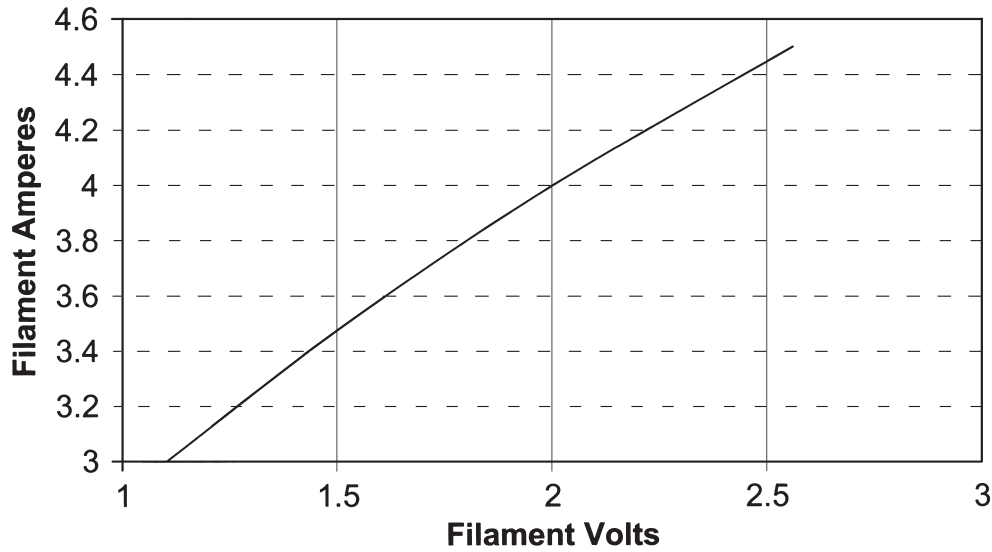
Maximum Peak Voltage .....	140 kV	Target Material .....	Tungsten
Anode to Ground .....	140 kV	Target Angle .....	20°
Cathode to Ground .....	140 kV	Radiation Coverage .....	72°
Focal Spot - IEC 60336 .....	1.0 W x 0.8 L	X-Ray Tube Assembly Permanent Filtration	
Maximum Continuous Rating		.....	2.0 mm Be
..... 900 W with 100 cfm min cooling flow		Weight .....	4.15 kg
Cooling Medium .....	Air		

**Beam Coverage**

Nominal Focal Spot 1.0mm (W) x 0.8mm (L)



**MCS-140 Filament Characteristics**



**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.