# X-RAY TUBE D-059SBR

#### Stationary Anode X-ray Tube

- Especially designed for dental radiography unit.
- Provided with an insulation cylinder and lead cylinder.
- This tube has 0.5 focus, and is available for maximum tube voltage 120 kV.
- Installed in the same enclosure with the high voltage transformer.

#### **General Data**

#### **Electrical:**

Constant Potential High-Voltage Generator
Center-grounded
120 kV
-

#### Mechanical:

Dimensions:	
Overall Length	See dimensional outline
Maximum Diameter	See dimensional outline
Target:	
Anode Angle	10 degrees
Material	Tungsten
Inherent Filtration	At least 0.8 mm Al equivalent at 50 kV
, ,	160 × 360 mm at SID 550 mm
Weight ·····	Approx. 1320 g
Cooling Method ····· O	il immersed (60°C Max.) and convection oil cooling
Tube Holding	······ Holding the insulation cylinder

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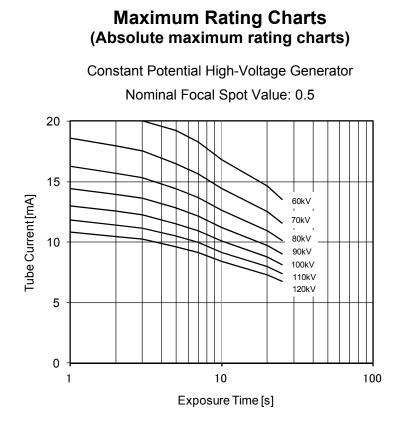
<sup>★</sup> The information contained herein may be changed without prior notice. It is therefore, advisable to contact to CETD before processing with the design of equipment incorporating this product.

## Absolute Maximum and Minimum Ratings (At any time, these values must not be exceeded.)

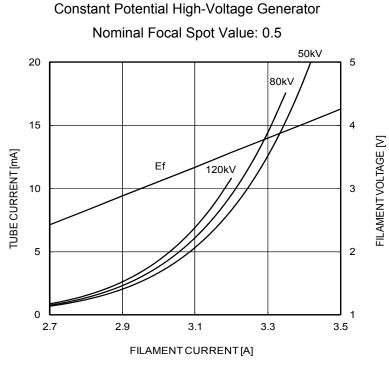
Maximum X-ray Tube Voltage 120 k
Between Anode (or Cathode) and Ground
Minimum X-ray Tube Voltage
Maximum X-ray Tube Current 20.0 mA
(See rating charts
Maximum Filament Current 3.5 A
Filament Voltage:
At maximum filament current (3.5 A) 3.4 ~ 4.9 \
Filament Frequency Limits DC or AC (Sine Wave) 0 ~ 20 kHz
Thermal Characteristics:
Anode Heat Content
Maximum Anode Heat Dissipation 250 W
Maximum Exposure Time 25 s

### **Environmental Limits**

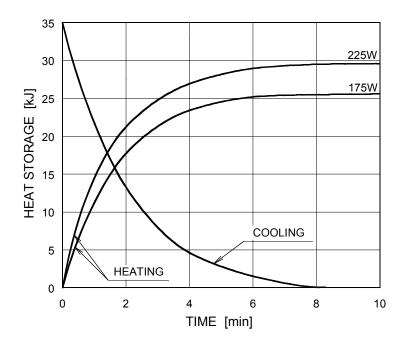
Operating Limits (in dielectric oil):	
Oil Temperature	
Shipping and Storage Limits:	
Temperature	-40 ~ 70 °C
Humidity	
	(No condensation)
Atmospheric Pressure	50 ~ 106 kPa



### **Emission & Filament Characteristics**



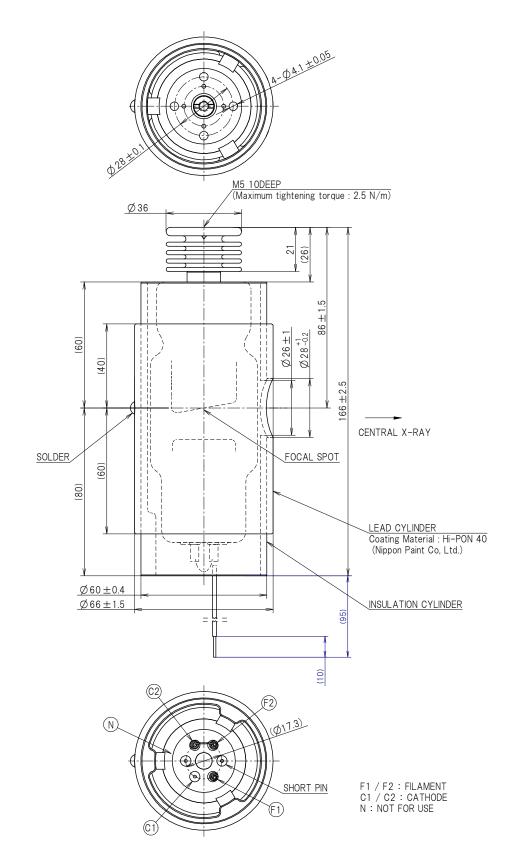
This graph indicates typical characteristics.



# Anode Heating / Cooling Curve

### **Dimensional Outline of D-059SBR**

Unit: mm



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Product scope is referred to the following URL. <u>https://etd.canon/eng/company/quality.htm</u>.