

INDUSTRIAL X-RAY TUBE I-317

X-ray Tube for Industrial Use

- ◆ The tube I-317, which has focus 0.1m, is designed for non-destructive X-ray inspection.
- This tube can be used with Max. 100 kV constant potential circuit of cathode grounded.

General Data

Circuit: High Voltage Generator

(*) Permissible Value: Refer to IEC60336:1993.

Mechanical:

Electrical:

Dimensions	180 mm
Target:	
Angle	10 degrees
Material	
Inherent Filtration	Be 0.5 mm
X-ray Coverage:	
Perpendicular Direction of Tube Axis	20 degrees
Longitudinal Direction of Tube Axis:	
Cathode side	10 degrees
Anode side	6 degrees
Weight (Approx.)	710 g
Insulating Medium	Insulation Oil
Cooling Method Oil immersed (60°C Max.) and convection oil cooling.	
Tube Holding Holding the mounting flange w	rith 6-M4 screws (P=0.7)

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

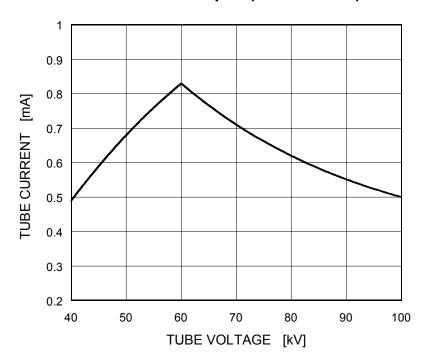
Maximum X-ray Tube Voltage		
Maximum X-ray Tube Current		
Maximum Filament Current	3.7 A	
Filament Frequency Limit	DC or AC (Sine Wave) 0 ~ 20 kHz	
Maximum Input Power (Continuously)		
Maximum Operating Temperature (Oil Temperature)		
Environmental Limits		
Operating Limits (in dielectric oil):		
Oil Temperature	10 ~ 60 °C	
Oil pressure	70 ~ 140 kPa	
Shipping and Storage Limits:		

Temperature $-40 \sim 70$ °C Humidity $10 \sim 90$ %

Atmospheric Pressure50 ~ 106 kPa

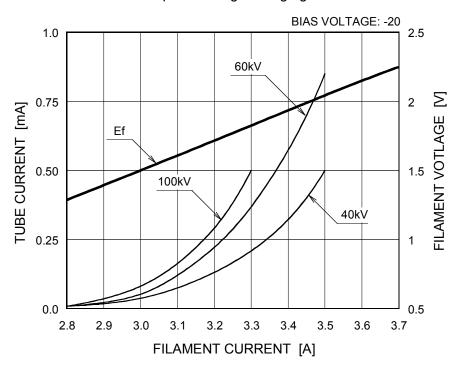
(No condensation)

Maximum Input (continuous)



Emission & Filament Characteristics

Constant potential high-voltage generator



Note: This graph indicate typical characteristics.

Dimensional Outline

Unit: mm

