

INDUSTRIAL X-RAY TUBE I-225

X-ray Tube for Industrial Use

- The X-ray tube I-225, which has focus 1.0, is designed for non destructive X-ray inspection.
- This tube can be used with Maximum 50 kV constant potential circuit of cathode grounded.

Electrical:

General Data

Circuit: High Voltage Generator Constant potential high-voltage generator Grounding Cathode and X-ray port grounded Nominal Focal Spot Value(*) 1.0 (*) Permissible Value: Refer to IEC60336/1982. Mechanical: Dimensions See dimensional Outline Maximum Diameter ϕ 40 mm Target: Material Tungsten Inherent Filtration Be 0.5 mm Insulating MediumInsulation Oil

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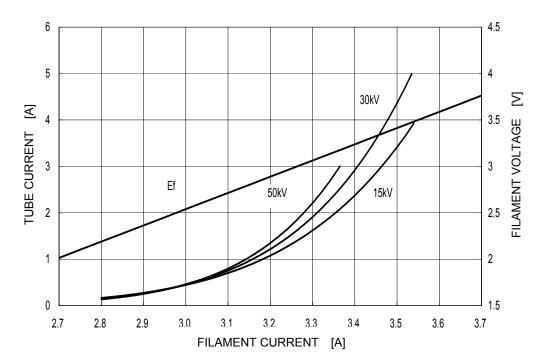
Absolute Maximum and Minimum Ratings (At any time, these values must not be exceeded.)

Maximum X-ray Tube Voltage	50 k\
Minimum X-ray Tube Voltage	15 k\
Maximum X-ray Tube Current	5 mA
Maximum Filament Current	
Filament Frequency Limit	0 ~ 20 kHz
Maximum Input Energy (Continuously)	150 W

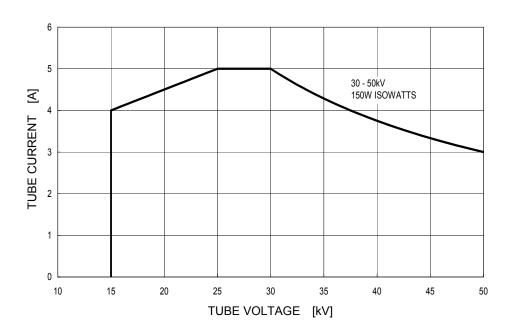
Environmental Limits

Operating Limits (in dielectric oil):	
Oil Temperature	10 ~ 60 °C
Oil pressure	70 ~ 140 kPa
Shipping and Storage Limits:	
Temperature	40 ~ 70 °C
Humidity	10 ~ 90 %
	(No condensation)
Atmospheric Pressure	50 ~ 106 kPa

Emission & Filament Characteristics



Maximum Input (continuous)



Dimensional Outline

Unit: mm

