The Micro X-ray silicon encapsulated series is a glass x-ray tube fully encapsulated in silicon based potting, to ensure high voltage isolation. Designed for applications requiring high stability and features a low attenuation, Beryllium window, as well as an integrated high voltage cable and filament wires.

**SPECIFICATIONS**

- Polarity: Grounded Cathode
- High Voltage Isolation Medium: Silicon Potting
- Nominal tube voltage: 4-30 kV
- Anode current, maximum: 3 mA
- Continuous rating: 12 W
- Focal spot: 1000 µm
- Filament current, max.: 1.3 A
- Filament voltage, (nominal): 3.0 V
- Inherent filtration: 0.005” Beryllium
- Target material: W, Cu, Co, Fe, Au, Ag, Pd
- Anode Angle: 20°
- Radiation coverage: 26°
- Cooling method: Ambient Air (heat sink is recommended)
- Radiation leakage: Requires shielding

**GENERAL**

Control of high voltage and filament current, as well as the design of the cooling system and the radiation protection, are the responsibility of the customer. Careful selection of power supply should assure that the X-Ray tube will be protected against overcurrent, overvoltage and lack of cooling. Otherwise the tube and/or the radiation protection may be damaged and become a hazard.

**RADIATION PROTECTION**

The responsibility for radiation protection is with the user. Compliance with local regulatory requirements and limit values must be assured.