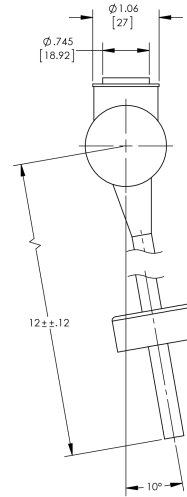
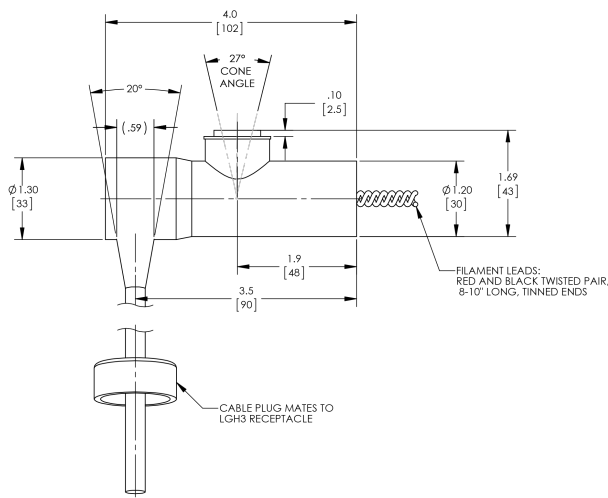


Our Silicon Encapsulated X-ray tube is widely used for thickness gauging applications. This tube includes an electron gun specifically designed to operate for many years at low kV, and high mA. The LGH3 cable is ready to plug into your power supply. Silicon encapsulation provides high voltage isolation as well as a surface to mount your heat sink.



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 μ m |
| | 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.