# 520148

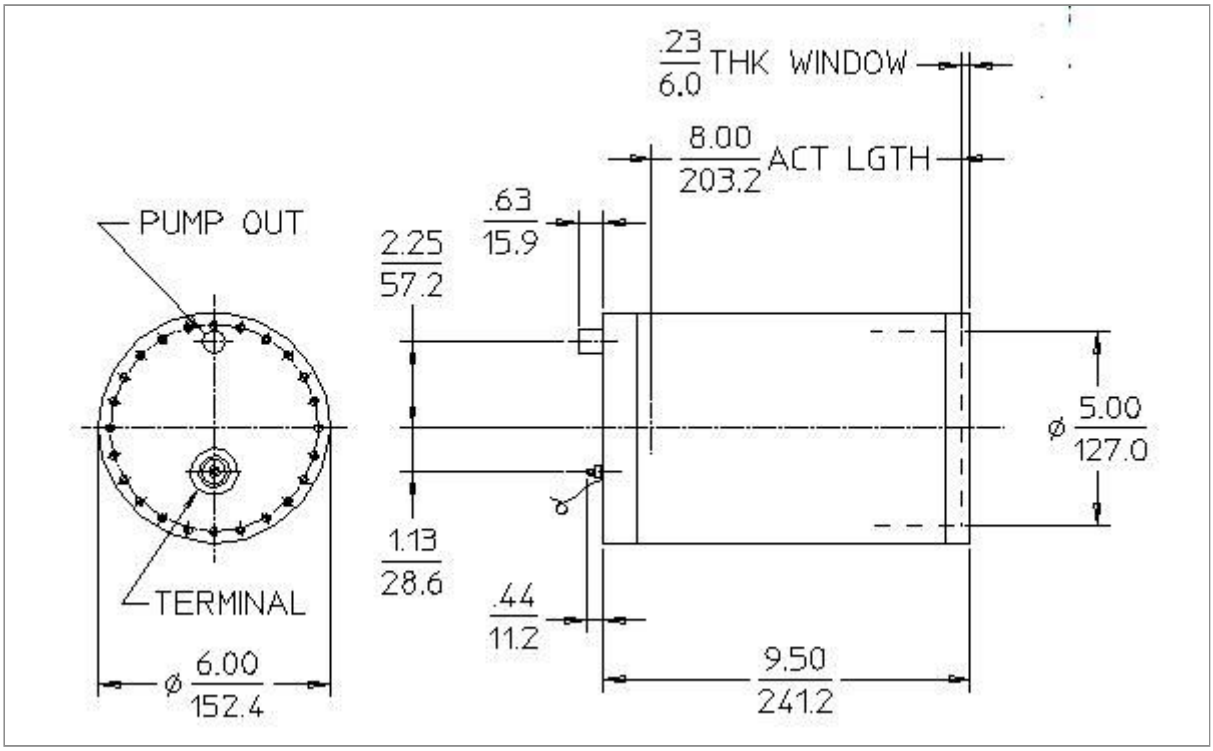
End window high pressure gamma ionization chamber

## GENERAL SPECIFICATIONS

| | |
|---|---|
| **MAXIMUM LENGTH (INCH/MM)** | 10.13/257.3 |
| **MAXIMUM DIAMETER (INCH/MM)** | 6.0/152.4 |
| **EFFECTIVE LENGTH (INCH/MM)** | 8.0/203.2 |
| **CATHODE MATERIAL (INTERNAL/EXTERNAL)** | Aluminum |
| **FILL GAS** | Xenon |
| **FILL PRESSURE (TORR)** | 11400 |
| **ANODE CONNECTOR** | Threaded Pin |
| **CATHODE CONNECTOR** | Solder Pin |
| **GUARD CONNECTOR** | Solder Pin |
| **STORAGE TEMPERATURE RANGE (°C)** | -40 to +100 |
| **MINIMUM SHELF LIFE (YEARS)** | 2 |

## WINDOW SPECIFICATIONS

| | |
|---|---|
| **MATERIAL** | Aluminum |
| **THICKNESS (INCH/MM)** | 0.23/6.0 |
| **EFFECTIVE DIAMETER (INCH/MM)** | 5.0/127.0 |

# OPERATING CHARACTERISTICS

| | |
|---|---|
| **RECOMMENDED OPERATING VOLTAGE (VOLTS)** | 500 |
| **OPERATING TEMPERATURE RANGE °C** | 25 to 85 |
| **MAXIMUM OPERATING VOLTAGE (VOLTS)** | 2000 |
| **GAMMA SENSITIVITY (A/R/HR - CO60)** | 3.8E-8 |
| **RESISTANCE - SIGNAL ELECTRODE TO GUARD (OHMS)** | >1.0E12 |
| **RESISTANCE - CATHODE TO GUARD (OHMS)** | >1.0E11 |