

30777

Fission counter

## GENERAL SPECIFICATIONS

|   |                 |
|---|-----------------|
| <b>MAXIMUM LENGTH (INCH/MM)</b>             | 8.0/203.2       |
| <b>MAXIMUM DIAMETER (INCH/MM)</b>           | 1.0/25.4        |
| <b>CATHODE MATERIAL (INTERNAL/EXTERNAL)</b> | Aluminum        |
| <b>EFFECTIVE DIAMETER (INCH/MM)</b>         | 0.93/23.6       |
| <b>CONNECTOR</b>                            | HN              |
| <b>SENSITIVE LENGTH (INCH/MM)</b>           | 5.0/127.0       |
| <b>FILL GAS</b>                             | Argon, Nitrogen |
| <b>FILL PRESSURE (TORR)</b>                 | 760             |

## NEUTRON SENSITIVE MATERIAL

|                            |        |
|----------------------------|--------|
| <b>ENRICHMENT (%)</b>      | >93    |
| <b>MATERIAL</b>            | U235   |
| <b>TOTAL QUANTITY (MG)</b> | 0.0075 |

# OPERATING CHARACTERISTICS

|  |           |
|--|-----------|
| <b>RECOMMENDED OPERATING VOLTAGE (VOLTS)</b>     | 500       |
| <b>OPERATING VOLTAGE RANGE (VOLTS)</b>           | 200 - 800 |
| <b>BACKGROUND (COUNTS)</b>                       | 0.6       |
| <b>PULSE RISE TIME (NANOSECONDS)</b>             | 200       |
| <b>NEUTRON SENSITIVITY (COUNTS/1E7 NEUTRONS)</b> | 1         |