

30785

Fission counter

## GENERAL SPECIFICATIONS

|                                      |            |
|--------------------------------------|------------|
| MAXIMUM DIAMETER (INCH/MM)           | 2.0/50.8   |
| EFFECTIVE DIAMETER (INCH/MM)         | 1.87/47.5  |
| MAXIMUM LENGTH (INCH/MM)             | 12.0/304.8 |
| SENSITIVE LENGTH (INCH/MM)           | 8.0/203.2  |
| CATHODE MATERIAL (INTERNAL/EXTERNAL) | Aluminum   |
| FILL GAS                             | Argon      |
| FILL PRESSURE (TORR)                 | 760        |
| CONNECTOR                            | HN         |

## NEUTRON SENSITIVE MATERIAL

|                     |      |
|---------------------|------|
| MATERIAL            | U235 |
| ENRICHMENT (%)      | >93  |
| TOTAL QUANTITY (MG) | 2.43 |

# OPERATING CHARACTERISTICS

|                                           |           |
|-------------------------------------------|-----------|
| NEUTRON SENSITIVITY (COUNTS/1E5 NEUTRONS) | 1         |
| RECOMMENDED OPERATING VOLTAGE (VOLTS)     | 500       |
| OPERATING VOLTAGE RANGE (VOLTS)           | 200 - 800 |
| BACKGROUND (COUNTS)                       | 1         |
| PULSE RISE TIME (NANOSECONDS)             | 200       |

