

30778

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>	0.00075

# 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/1E8 NEUTRONS)</b>	1