

30764

Fission counter

## GENERAL SPECIFICATIONS

<b>MAXIMUM LENGTH (INCH/MM)</b>	5.5/139.7
<b>MAXIMUM DIAMETER (INCH/MM)</b>	0.5/12.7
<b>CATHODE MATERIAL (INTERNAL/EXTERNAL)</b>	Aluminum
<b>EFFECTIVE DIAMETER (INCH/MM)</b>	0.4/10.2
<b>CONNECTOR</b>	MHV
<b>SENSITIVE LENGTH (INCH/MM)</b>	2.5/63.5
<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>	1.6

# OPERATING CHARACTERISTICS

RECOMMENDED OPERATING VOLTAGE (VOLTS)	500
OPERATING VOLTAGE RANGE (VOLTS)	200 - 800
BACKGROUND (COUNTS)	0.6
PULSE RISE TIME (NANOSECONDS)	200
NEUTRON SENSITIVITY (COUNTS/1E4 NEUTRONS)	1

