

30754

Fission Counter

## GENERAL SPECIFICATIONS

<b>MAXIMUM LENGTH (INCH/MM)</b>	2.24/56.9
<b>MAXIMUM DIAMETER (INCH/MM)</b>	0.28/7.1
<b>CATHODE MATERIAL (INTERNAL/EXTERNAL)</b>	Nickel
<b>EFFECTIVE DIAMETER (INCH/MM)</b>	0.18/4.6
<b>CONNECTOR</b>	Flying Lead
<b>SENSITIVE LENGTH (INCH/MM)</b>	0.75/19.1
<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>	0.23

# 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

