

30773

Fission counter

GENERAL SPECIFICATIONS

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

NEUTRON SENSITIVE MATERIAL

ENRICHMENT (%)	>93
MATERIAL	U235
TOTAL QUANTITY (MG)	75

OPERATING CHARACTERISTICS

RECOMMENDED OPERATING VOLTAGE (VOLTS)	500
OPERATING VOLTAGE RANGE (VOLTS)	200 - 800
NEUTRON SENSITIVITY (COUNTS/ 10^3 NEUTRONS)	1
BACKGROUND (COUNTS)	0.6
PULSE RISE TIME (NANOSECONDS)	200

