

30783

Fission counter

GENERAL SPECIFICATIONS

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

NEUTRON SENSITIVE MATERIAL

ENRICHMENT (%)	>93
MATERIAL	U235
TOTAL QUANTITY (MG)	243

OPERATING CHARACTERISTICS

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

