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Boron lined neutron proportional counter

GENERAL SPECIFICATIONS

MAXIMUM LENGTH (INCH/MM)	7.63/193.8
MAXIMUM DIAMETER (INCH/MM)	1.0/25.4
GAS FILLING	Argon
EFFECTIVE LENGTH (INCH/MM)	4.38/111.3
CATHODE MATERIAL (INTERNAL/EXTERNAL)	Stainless Steel
EFFECTIVE DIAMETER (INCH/MM)	0.93/23.6
CONNECTOR	HN
OPERATING TEMPERATURE RANGE °C	-50 to +200
GAS PRESSURE (TORR)	200
EFFECTIVE VOLUME (CM³)	48.7

OPERATING CHARACTERISTICS

RECOMMENDED OPERATING VOLTAGE (VOLTS)	800
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OPERATING VOLTAGE RANGE (VOLTS)	700 - 950
MAXIMUM PLATEAU SLOPE (%/100 VOLTS)	10
TUBE CAPACITANCE (PF)	4
PULSE RISE TIME (NANOSECONDS)	200
THERMAL NEUTRON SENSITIVITY (CPS/NV)	1.0
FLUX RANGE	1.0E-2 - 1.0E5

NEUTRON SENSITIVE MATERIAL

COATING MATERIAL	B10
ENRICHMENT (%)	96
COATED THICKNESS (MG/CM²)	0.5
COATED AREA (CM²)	91

