

2321

Boron lined neutron proportional counter

GENERAL SPECIFICATIONS

MAXIMUM LENGTH (INCH/MM)	4.35/110.5
MAXIMUM DIAMETER (INCH/MM)	1.0/25.4
GAS FILLING	Argon
EFFECTIVE LENGTH (INCH/MM)	1.1/27.9
CATHODE MATERIAL (INTERNAL/EXTERNAL)	Stainless Steel
EFFECTIVE DIAMETER (INCH/MM)	0.25/6.4
CONNECTOR	HN
OPERATING TEMPERATURE RANGE °C	-50 to +100
GAS PRESSURE (TORR)	200
EFFECTIVE VOLUME (CM ³)	0.9

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
THERMAL NEUTRON SENSITIVITY (CPS/NV)	2.8E-3

NEUTRON SENSITIVE MATERIAL

COATING MATERIAL	B10
ENRICHMENT (%)	96
COATED THICKNESS (MG/CM²)	0.024
COATED AREA (CM²)	2.20

