

2311

Boron lined neutron proportional counter

GENERAL SPECIFICATIONS

MAXIMUM LENGTH (INCH/MM)	2.75/69.9
MAXIMUM DIAMETER (INCH/MM)	0.63/16.0
GAS FILLING	Argon
EFFECTIVE LENGTH (INCH/MM)	1.25/31.8
CATHODE MATERIAL (INTERNAL/EXTERNAL)	Stainless Steel
EFFECTIVE DIAMETER (INCH/MM)	0.6/15.2
CONNECTOR	Flying Lead
OPERATING TEMPERATURE RANGE °C	-50 to +100
GAS PRESSURE (TORR)	760
EFFECTIVE VOLUME (CM³)	5.8

OPERATING CHARACTERISTICS

RECOMMENDED OPERATING VOLTAGE (VOLTS)	850
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OPERATING VOLTAGE RANGE (VOLTS)	750 - 1000
MAXIMUM PLATEAU SLOPE (%/100 VOLTS)	10
TUBE CAPACITANCE (PF)	4
THERMAL NEUTRON SENSITIVITY (CPS/NV)	0.25

NEUTRON SENSITIVE MATERIAL

COATING MATERIAL	B10
ENRICHMENT (%)	96
COATED THICKNESS (MG/CM ²)	0.5
COATED AREA (CM ²)	6.0

