

20213

Cylindrical bf3 neutron detector

GENERAL SPECIFICATIONS

MAXIMUM LENGTH (INCH/MM)	5.64/143.3
MAXIMUM DIAMETER (INCH/MM)	1.0/25.4
EFFECTIVE LENGTH (INCH/MM)	2.0/50.8
CATHODE MATERIAL (INTERNAL/EXTERNAL)	Stainless Steel
EFFECTIVE DIAMETER (INCH/MM)	0.96/24.4
CONNECTOR	MHV
OPERATING TEMPERATURE RANGE °C	-50 to +100
GAS PRESSURE (TORR)	200
EFFECTIVE VOLUME (CM ³)	23.95

ELECTRICAL SPECIFICATIONS

RECOMMENDED OPERATING VOLTAGE (VOLTS)	1300
OPERATING VOLTAGE RANGE (VOLTS)	1200-2000

MAXIMUM PLATEAU SLOPE (%/100 VOLTS)	2
TUBE CAPACITANCE (PF)	7
MAXIMUM RESOLUTION (% FWHM)	10

THERMAL NEUTRON SENSITIVITY

SENSITIVITY (CPS/NV)	0.5
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