

20232

Cylindrical bf3 neutron detector

GENERAL SPECIFICATIONS

MAXIMUM LENGTH (INCH/MM)	7.91/200.9
MAXIMUM DIAMETER (INCH/MM)	1.0/25.4
EFFECTIVE LENGTH (INCH/MM)	4.7/119.4
CATHODE MATERIAL (INTERNAL/EXTERNAL)	Stainless Steel
EFFECTIVE DIAMETER (INCH/MM)	0.96/24.4
CONNECTOR	HN
OPERATING TEMPERATURE RANGE °C	-50 to +100
GAS PRESSURE (TORR)	650

ELECTRICAL SPECIFICATIONS

RECOMMENDED OPERATING VOLTAGE (VOLTS)	1850
OPERATING VOLTAGE RANGE (VOLTS)	1650 - 2100
MAXIMUM PLATEAU SLOPE (%/100 VOLTS)	1

TUBE CAPACITANCE (PF)	4
WEIGHT (GRAMS)	121
MAXIMUM RESOLUTION (% FWHM)	20

THERMAL NEUTRON SENSITIVITY

SENSITIVITY (CPS/NV)	2.1
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