

202106

Cylindrical BF3 Neutron Detector

GENERAL SPECIFICATIONS

MAXIMUM LENGTH (INCH/MM)	6.48/164.7
MAXIMUM DIAMETER (INCH/MM)	1.0/25.4
EFFECTIVE LENGTH (INCH/MM)	3.5/88.9
CATHODE MATERIAL (INTERNAL/EXTERNAL)	Stainless Steel
EFFECTIVE DIAMETER (INCH/MM)	0.96/24.3
CONNECTOR	MHV
OPERATING TEMPERATURE RANGE °C	-50 to +100
GAS PRESSURE (TORR)	700
EFFECTIVE VOLUME (CM ³)	45.0

ELECTRICAL SPECIFICATIONS

RECOMMENDED OPERATING VOLTAGE (VOLTS)	1850
OPERATING VOLTAGE RANGE (VOLTS)	1750 - 2000

MAXIMUM PLATEAU SLOPE (%/100 VOLTS)	5
WEIGHT (GRAMS)	100
CAPACITANCE (PF)	8
MAXIMUM RESOLUTION (% FWHM)	25

THERMAL NEUTRON SENSITIVITY

SENSITIVITY (CPS/NV)	3.0
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