

20118

Cylindrical bf3 neutron detector

GENERAL SPECIFICATIONS

MAXIMUM LENGTH (INCH/MM)	6.09/154.69
MAXIMUM DIAMETER (INCH/MM)	0.63/16.0
EFFECTIVE LENGTH (INCH/MM)	0.94/23.88
CATHODE MATERIAL (INTERNAL/EXTERNAL)	Stainless Steel
EFFECTIVE DIAMETER (INCH/MM)	0.61/15.49
CONNECTOR	MHV
OPERATING TEMPERATURE RANGE °C	-50 to +80
GAS PRESSURE (TORR)	600
EFFECTIVE VOLUME (CM ³)	4.5

ELECTRICAL SPECIFICATIONS

RECOMMENDED OPERATING VOLTAGE (VOLTS)	1500
OPERATING VOLTAGE RANGE (VOLTS)	1400 - 1600

MAXIMUM PLATEAU SLOPE (%/100 VOLTS)	2
TUBE CAPACITANCE (PF)	5
WEIGHT (GRAMS)	100
MAXIMUM RESOLUTION (% FWHM)	10

THERMAL NEUTRON SENSITIVITY

SENSITIVITY (CPS/NV)	0.16
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