

20126

Cylindrical bf3 neutron detector



GENERAL SPECIFICATIONS

MAXIMUM LENGTH (INCH/MM)	2.44/61.9
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	Flying Lead
OPERATING TEMPERATURE RANGE °C	-40 to +80
GAS PRESSURE (TORR)	600

EFFECTIVE VOLUME (CM ³)	4.5
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ELECTRICAL SPECIFICATIONS

RECOMMENDED OPERATING VOLTAGE (VOLTS)	1150
OPERATING VOLTAGE RANGE (VOLTS)	1050 - 1300
MAXIMUM PLATEAU SLOPE (%/100 VOLTS)	3
TUBE CAPACITANCE (PF)	4
WEIGHT (GRAMS)	85
MAXIMUM RESOLUTION (% FWHM)	25

THERMAL NEUTRON SENSITIVITY

SENSITIVITY (CPS/NV)	0.3
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