

20127

Cylindrical bf3 neutron detector

GENERAL SPECIFICATIONS

GAS PRESSURE (TORR)	600
CATHODE MATERIAL (INTERNAL/EXTERNAL)	Stainless Steel
MAXIMUM LENGTH (INCH/MM)	6.06/153.9
EFFECTIVE LENGTH (INCH/MM)	0.94/23.88
MAXIMUM DIAMETER (INCH/MM)	0.63/16.0
EFFECTIVE DIAMETER (INCH/MM)	0.61/15.49
CONNECTOR	MHV
EFFECTIVE VOLUME (CM³)	4.5
OPERATING TEMPERATURE RANGE °C	-40 to +80

ELECTRICAL SPECIFICATIONS

RECOMMENDED OPERATING VOLTAGE (VOLTS)	1150
OPERATING VOLTAGE RANGE (VOLTS)	1050 - 1300

MAXIMUM PLATEAU SLOPE (%/100 VOLTS)	3
MAXIMUM RESOLUTION (% FWHM)	25
WEIGHT (GRAMS)	125
TUBE CAPACITANCE (PF)	4

THERMAL NEUTRON SENSITIVITY

SENSITIVITY (CPS/NV)	0.3
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