

20320

Cylindrical bf3 neutron detector

GENERAL SPECIFICATIONS

MAXIMUM LENGTH (INCH/MM)	8.23/209.0
MAXIMUM DIAMETER (INCH/MM)	2.0/50.8
EFFECTIVE LENGTH (INCH/MM)	6.0/152.4
CATHODE MATERIAL (INTERNAL/EXTERNAL)	Stainless Steel
EFFECTIVE DIAMETER (INCH/MM)	1.93/49.0
CONNECTOR	MHV
OPERATING TEMPERATURE RANGE °C	-50 to +100
GAS PRESSURE (TORR)	350
BF3 ENRICHMENT (%)	96

ELECTRICAL SPECIFICATIONS

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

MAXIMUM PLATEAU SLOPE (%/100 VOLTS)	1
TUBE CAPACITANCE (PF)	3
WEIGHT (GRAMS)	121
MAXIMUM RESOLUTION (% FWHM)	15

THERMAL NEUTRON SENSITIVITY

SENSITIVITY (CPS/NV)	5.8
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