

20294

Cylindrical bf3 neutron detector

GENERAL SPECIFICATIONS

MAXIMUM LENGTH (INCH/MM)	8.05/204.5
MAXIMUM DIAMETER (INCH/MM)	3.0/76.2
EFFECTIVE LENGTH (INCH/MM)	2.02/51.3
CATHODE MATERIAL (INTERNAL/EXTERNAL)	Stainless Steel
EFFECTIVE DIAMETER (INCH/MM)	0.96/24.38
CONNECTOR	SHV
OPERATING TEMPERATURE RANGE °C	-50 to +100
GAS PRESSURE (TORR)	600
EFFECTIVE VOLUME (CM ³)	23.95

ELECTRICAL SPECIFICATIONS

RECOMMENDED OPERATING VOLTAGE (VOLTS)	1300
OPERATING VOLTAGE RANGE (VOLTS)	1200 - 1450

MAXIMUM PLATEAU SLOPE (%/100 VOLTS)	2
TUBE CAPACITANCE (PF)	7
MAXIMUM RESOLUTION (% FWHM)	12

THERMAL NEUTRON SENSITIVITY

SENSITIVITY (CPS/NV)	1.5
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