

25167

Cylindrical he3 neutron detector

GENERAL SPECIFICATIONS

MAXIMUM LENGTH (INCH/MM)	8.99/228.2
MAXIMUM DIAMETER (INCH/MM)	0.50/12.7
EFFECTIVE LENGTH (INCH/MM)	5.90/149.9
CATHODE MATERIAL (INTERNAL/EXTERNAL)	Aluminum
EFFECTIVE DIAMETER (INCH/MM)	0.45/11.4
CONNECTOR	SHV
OPERATING TEMPERATURE RANGE °C	-40 to +100
GAS PRESSURE (TORR)	8000
EFFECTIVE VOLUME (CM³)	15

ELECTRICAL SPECIFICATIONS

RECOMMENDED OPERATING VOLTAGE (VOLTS)	1250
OPERATING VOLTAGE RANGE (VOLTS)	1150-1400

MAXIMUM PLATEAU SLOPE (%/100 VOLTS)	1
TUBE CAPACITANCE (PF)	4
WEIGHT (GRAMS)	75
MAXIMUM RESOLUTION (% FWHM)	10

THERMAL NEUTRON SENSITIVITY

SENSITIVITY (CPS/NV)	5.9
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