

25133

Cylindrical he3 neutron detector

GENERAL SPECIFICATIONS

MAXIMUM LENGTH (INCH/MM)	6.04/153.42
MAXIMUM DIAMETER (INCH/MM)	0.5/12.70
EFFECTIVE LENGTH (INCH/MM)	3.0/76.20
CATHODE MATERIAL (INTERNAL/EXTERNAL)	Stainless Steel
EFFECTIVE DIAMETER (INCH/MM)	0.4/10.16
CONNECTOR	SHV
OPERATING TEMPERATURE RANGE °C	-50 to +100
GAS PRESSURE (TORR)	4560
EFFECTIVE VOLUME (CM³)	6.17

ELECTRICAL SPECIFICATIONS

RECOMMENDED OPERATING VOLTAGE (VOLTS)	1200
OPERATING VOLTAGE RANGE (VOLTS)	1100 - 1350

MAXIMUM PLATEAU SLOPE (%/100 VOLTS)	1
TUBE CAPACITANCE (PF)	4
WEIGHT (GRAMS)	100
MAXIMUM RESOLUTION (% FWHM)	7

THERMAL NEUTRON SENSITIVITY

SENSITIVITY (CPS/NV)	3.8
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