

# 25281

Cylindrical he3 neutron detector

## GENERAL SPECIFICATIONS

<b>MAXIMUM LENGTH (INCH/MM)</b>	5.09/129.29
<b>MAXIMUM DIAMETER (INCH/MM)</b>	1.0/25.4
<b>EFFECTIVE LENGTH (INCH/MM)</b>	2.0/50.8
<b>CATHODE MATERIAL (INTERNAL/EXTERNAL)</b>	Aluminum
<b>EFFECTIVE DIAMETER (INCH/MM)</b>	0.94/23.88
<b>CONNECTOR</b>	MHV
<b>OPERATING TEMPERATURE RANGE °C</b>	-50 to +100
<b>GAS PRESSURE (TORR)</b>	4590.4
<b>EFFECTIVE VOLUME (CM<sup>3</sup>)</b>	22.73

## ELECTRICAL SPECIFICATIONS

<b>RECOMMENDED OPERATING VOLTAGE (VOLTS)</b>	1400
<b>OPERATING VOLTAGE RANGE (VOLTS)</b>	1300-1550

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

## THERMAL NEUTRON SENSITIVITY

SENSITIVITY (CPS/NV)	9.1
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