

2633

Quadrilateral he3 neutron detector

GENERAL SPECIFICATIONS

MAXIMUM LENGTH (INCH/MM)	6.85/173.99
MAXIMUM DIAMETER (INCH/MM)	2.0 x 2.0/50.8 x 50.8
EFFECTIVE LENGTH (INCH/MM)	4.0/101.6
CATHODE MATERIAL (INTERNAL/EXTERNAL)	Aluminum
EFFECTIVE DIAMETER (INCH/MM)	1.75 x 1.75/44.45 x 44.45
CONNECTOR	MHV
OPERATING TEMPERATURE RANGE °C	-50 to +100
GAS PRESSURE (TORR)	3040
EFFECTIVE VOLUME (CM³)	200.77

ELECTRICAL SPECIFICATIONS

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

MAXIMUM PLATEAU SLOPE (%/100 VOLTS)	1
TUBE CAPACITANCE (PF)	4
WEIGHT (GRAMS)	35
MAXIMUM RESOLUTION (% FWHM)	10

THERMAL NEUTRON SENSITIVITY

SENSITIVITY (CPS/NV)	49.21
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