

275

Quadrilateral he3 detector

GENERAL SPECIFICATIONS

MAXIMUM LENGTH (INCH/MM)	4.5/114.3
EFFECTIVE LENGTH (INCH/MM)	1.75/44.45
CATHODE MATERIAL (INTERNAL/EXTERNAL)	Aluminum
CONNECTOR	MHV
OPERATING TEMPERATURE RANGE °C	-50 to +100
EFFECTIVE DEPTH (INCH/MM)	0.5/12.7
MAXIMUM WIDTH (INCH/MM)	2.0/50.8
MAXIMUM DEPTH (INCH/MM)	0.75/19.0
GAS PRESSURE (TORR)	7600
EFFECTIVE VOLUME (CM ³)	29.50
EFFECTIVE WIDTH (INCH/MM)	1.75/44.45

ELECTRICAL SPECIFICATIONS

RECOMMENDED OPERATING VOLTAGE (VOLTS)	1850
OPERATING VOLTAGE RANGE (VOLTS)	1600 - 2000
MAXIMUM PLATEAU SLOPE (%/100 VOLTS)	3
TUBE CAPACITANCE (PF)	8
WEIGHT (GRAMS)	226
MAXIMUM RESOLUTION (% FWHM)	15

THERMAL NEUTRON SENSITIVITY

SENSITIVITY (CPS/NV)	18.1
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