

25257

Position sensitive neutron detector

GENERAL SPECIFICATIONS

MAXIMUM LENGTH (INCH/MM)	45.3/1150.6
MAXIMUM DIAMETER (INCH/MM)	1.0/25.4
GAS FILLING	He3 + Ar
EFFECTIVE LENGTH (INCH/MM)	39.4/1000.8
CATHODE MATERIAL (INTERNAL/EXTERNAL)	Aluminum
EFFECTIVE DIAMETER (INCH/MM)	0.93/23.62
CONNECTOR	HN
OPERATING TEMPERATURE RANGE °C	+10 to +50
GAS PRESSURE (TORR)	3800 + 760
EFFECTIVE VOLUME (CM ³)	467

ELECTRICAL SPECIFICATIONS

RECOMMENDED OPERATING VOLTAGE (VOLTS)	1100
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OPERATING VOLTAGE RANGE (VOLTS)	1000 - 1250
MAXIMUM PLATEAU SLOPE (%/100 VOLTS)	1
THERMAL NEUTRON SENSITIVITY (CPS/NV)	277
MAXIMUM RESOLUTION (% FWHM)	10
POSITION RESOLUTION (MM)	2

ANODE SPECIFICATIONS

MATERIAL	REDI OHM 800
EFFECTIVE LENGTH (INCH/MM)	39.4/1000.0
DIAMETER (INCH/MM)	0.00045/0.011
RESISTANCE (OHMS/INCH)	330.0

