

2705 Helium-3 Neutron Detector

GENERAL SPECIFICATIONS

MAXIMUM LENGTH (INCH/MM)	4.49/114.0
MAXIMUM DIAMETER (INCH/MM)	2.0/50.8
EFFECTIVE LENGTH (INCH/MM)	2.0/50.8
CATHODE MATERIAL (INTERNAL/EXTERNAL)	Stainless Steel
EFFECTIVE DIAMETER (INCH/MM)	1.96/49.78
CONNECTOR	SHV
OPERATING TEMPERATURE RANGE °C	-50 to +100
GAS PRESSURE (TORR)	7600
EFFECTIVE VOLUME (CM³)	64.57

ELECTRICAL SPECIFICATIONS

RECOMMENDED OPERATING VOLTAGE (VOLTS)	1550
OPERATING VOLTAGE RANGE (VOLTS)	1450-1700
MAXIMUM PLATEAU SLOPE (%/100 VOLTS)	1

TUBE CAPACITANCE (PF)	10
WEIGHT (GRAMS)	60
MAXIMUM RESOLUTION (% FWHM)	20

THERMAL NEUTRON SENSITIVITY

SENSITIVITY (CPS/NV)	76
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