



## 25169 Cylindrical He3 Neutron Detector

### **GENERAL SPECIFICATIONS**

Gas pressure (torr)	15200
Cathode material	Stainless Steel
Maximum length (inch/mm)	4.41/111.9
Effective length (inch/mm)	2.50/63.5
Maximum diameter (inch/mm)	0.50/12.7
Effective diameter (inch/mm)	0.45/11.4
Connector	Flying Lead
Effective volume (cm <sup>3</sup> )	6.51
Operating temperature range °C	-40 to +100

### **ELECTRICAL SPECIFICATIONS**

Recommended operating voltage (volts)	1000
Operating voltage range (volts)	900 - 1150
Maximum plateau slope ( % / 100 volts )	1
Maximum resolution ( % fwhm)	10
Tube capacitance (pf)	4
Weight (grams)	38

### **THERMAL NEUTRON SENSITIVITY**

Sensitivity (cps / nv)	5.1
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