

**30753 Fission Counter****GENERAL SPECIFICATIONS**

|                              |             |
|------------------------------|-------------|
| Maximum diameter (inch/mm)   | 0.28/7.1    |
| Effective diameter (inch/mm) | 0.18/4.6    |
| Maximum length (inch/mm)     | 2.34/59.4   |
| Sensitive length (inch/mm)   | 0.75/19.1   |
| Cathode material             | Nickel      |
| Fill gas                     | Argon       |
| Fill pressure (torr)         | 760         |
| Connector                    | Flying Lead |

**OPERATING CHARACTERISTICS**

|                                                       |           |
|-------------------------------------------------------|-----------|
| Neutron sensitivity (counts/10 <sup>3</sup> neutrons) | 1         |
| Recommended operating voltage (volts)                 | 500       |
| Operating voltage range (volts)                       | 200 - 800 |
| Background (counts)                                   | 0.6       |
| Pulse rise time (nanoseconds)                         | 200       |

**NEUTRON SENSITIVE MATERIAL**

|                     |      |
|---------------------|------|
| Material            | U235 |
| Enrichment (%)      | >93  |
| Total quantity (mg) | 2.3  |

