

**73118 Pancake Mica Window-Alpha-Beta-Gamma Detector*****GENERAL SPECIFICATIONS***

|                                |                     |
|--------------------------------|---------------------|
| Gas filling                    | Ne +Halogen         |
| Cathode material               | 446 Stainless Steel |
| Maximum length (inch/mm)       | 1.25/31.7           |
| Effective depth (inch/mm)      | 0.5/12.7            |
| Maximum diameter (inch/mm)     | 2.10/53.1           |
| Effective diameter (inch/mm)   | 1.75/44.5           |
| Connector                      | Pin                 |
| Operating temperature range °C | -40 to +75          |

***WINDOW SPECIFICATIONS***

|                                     |           |
|-------------------------------------|-----------|
| Areal density (mg/cm <sup>2</sup> ) | 1.5-2.0   |
| Effective diameter (inch/mm)        | 1.75/44.5 |
| Material                            | Mica      |

***ELECTRICAL SPECIFICATIONS***

|  |          |
|--|----------|
| Recommended anode resistor (meg ohm)               | 3.3      |
| Maximum starting voltage (volts)                   | 750      |
| Recommended operating voltage (volts)              | 900      |
| Operating voltage range (volts)                    | 850-1000 |
| Maximum plateau slope (%/100 volts)                | 10       |
| Minimum dead time (micro sec)                      | 20       |
| Gamma sensitivity Co60 (cps/mr/hr)                 | 60       |
| Tube capacitance (pf)                              | 3        |
| Weight (grams)                                     | 125      |
| Maximum background shielded 50mm Pb + 3mm Al (cpm) | 30       |



# GAMMA SENSITIVITY

TUBE TYPE - 73118





