Mullard Geiger Muller tube : type MX 133 / Mullard Ltd.

Contributors

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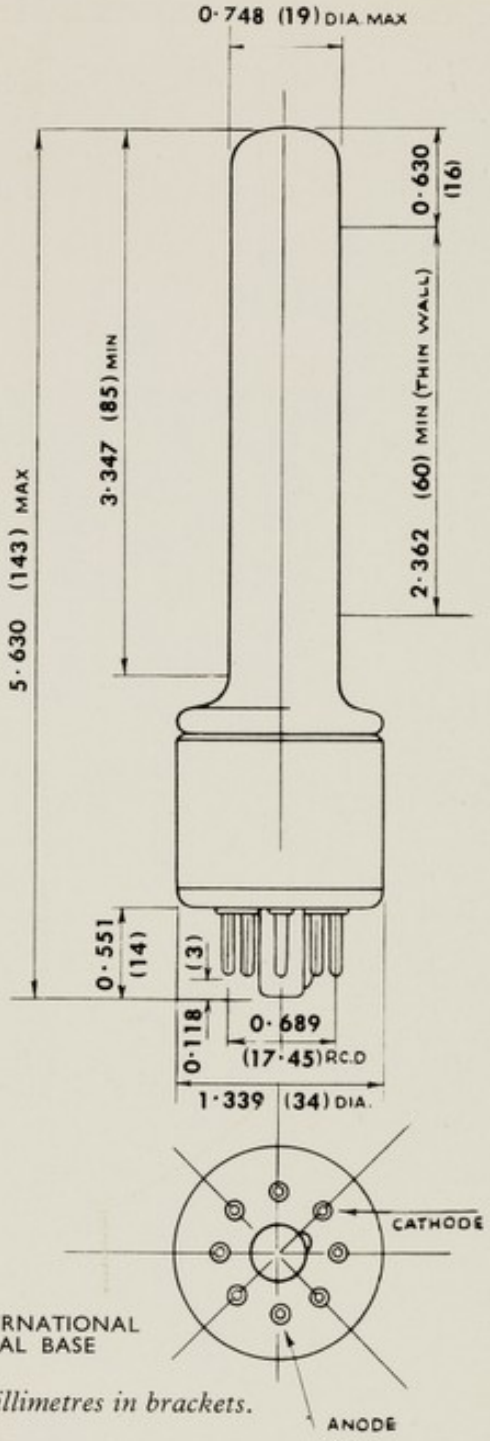
Mullard

GEIGER MULLER TUBE

TYPE MX 133

The Mullard Geiger Muller Tube Type MX133 is a thin glass wall tube for the detection and measurement of beta particles and gamma radiation. Having a sensitive area of approximately 5.5 sq. in. (36 cm²) it has been designed for applications which require a greater sensitive area than is normally provided by end window tubes. The glass construction makes it also suitable for dipping in liquids. Other typical uses are the monitoring of laboratories and, in conjunction with a holder and absorbers, the assay of crushed radio-active ores.



INTERNATIONAL OCTAL BASE

Dimensions in inches—millimetres in brackets.

SPECIFICATION

Threshold voltage (max.)	400 v.
Plateau length (min.)	100 v.
Plateau slope (average)	.06%/volt.
Plateau slope (max.)	.15%/volt.
Temperature range	−55°C. to 75°C.
Dead time	100μ secs.
Background (shielded)	20 C/min.
Wall thickness (approx.)	25 mg./cm.²
Active length	60 mm.
Minimum count life	5×10^{10} counts
Electrical connections	International octal base.

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