# Cold-Cathode Gas-Filled Triode

## Code: G240/2D (CV2174)

The G240/2D is a cold-cathode, three electrode, gas-filled triode. It has been developed for use in applications where a higher power is needed in the anode circuit than is obtainable with the G150/2D type.

It is characterised by its long life cathode and non-interchangeability of trigger and cathode electrodes.

## DIMENSIONS.

| | | |
|---|---|---|
| Maximum overall length | 92.1 | mm← |
| Maximum seated height | 77.8 | mm← |
| Maximum diameter | 33.3 | mm |
| Base | Small wafer octal with metal shell | |

## CHARACTERISTICS.

| | | |
|---|---|---|
| Nominal control gap breakdown voltage | 75 | V |
| Maximum control gap breakdown voltage | 90 | V |
| Nominal control gap maintaining voltage (At 20 mA Cathode Current) | 65 | V |
| Maximum control gap maintaining voltage (At 20 mA Cathode Current) | 75 | V |
| Minimum main gap breakdown voltage | 230 | V |
| Nominal main gap maintaining voltage (At 20 mA Cathode Current) | 90 | V |
| Maximum main gap maintaining voltage (At 20 mA Cathode Current) | 110 | V |
| Maximum transfer current at $R_t$ 10 MΩ and $V_a$ 200 V | 15 | μA |
| Optimum operating current | 20 | mA |
| Nominal main gap deionization time | 8 | msec |

## MAXIMUM RATINGS.

| | | |
|---|---|---|
| Maximum peak cathode current | 50 | mA |
| Maximum direct cathode current | 30 | mA |

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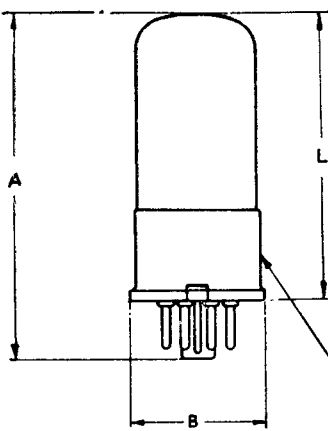


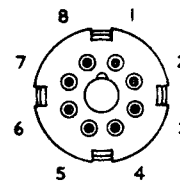


**BASING**

| | |
|---|---|
| 1 | METAL BASE SHELL |
| 2 | BLANK |
| 3 | ANODE |
| 4 | BLANK |
| 5 | TRIGGER |
| 6, 7 | INTERNALLY STRAPPED |
| 8 | CATHODE |

SMALL WAFER OCTAL WITH METAL SHELL

| DIM | MILLIMETRES | INCHES |
|---|---|---|
| A | 92·1 MAX | 3 5/8 MAX |
| B | 33·3 MAX | 1 5/16 MAX |
| L | 77·8 MAX | 3 1/16 MAX |

NOTE:- BASIC FIGURES ARE INCHES.