

## 20A3

## THYRATRON GAS TETRODE

Indirectly heated—for use as Gas Relay

RATING

|                                                         |                            |           |
|---------------------------------------------------------|----------------------------|-----------|
| Heater Voltage (volts)                                  | $V_h$                      | 6.3       |
| Heater Current (amps)                                   | $I_h$                      | 0.6       |
| Arc Voltage Drop (volts)                                |                            | 8         |
| Maximum Forward Anode Volts                             | $V_a$                      | 650       |
| Maximum Peak Inverse Anode Voltage (volts) P.I.V. (max) |                            | 1300      |
| Maximum Shield Grid Voltage (volts)                     | $V_{g2}(\text{max})$       | -100      |
| Maximum Control Grid Volts                              | $V_{g1}(\text{max})$       | -100      |
| Maximum Peak Cathode Current (mA)                       | $I_k(\text{pk})\text{max}$ | 500       |
| Maximum Average Cathode Current (mA)                    | $I_k(\text{av})\text{max}$ | 100       |
| Control Grid Circuit Res. (Megohms)                     | $R_{g1}$                   | 0.01-10.0 |
| Control Ratio G1                                        |                            | 250 •     |
| Control Ratio G2                                        |                            | 1000 †    |

$$\bullet \quad V_{g2} = 0 \quad R_{g1} = 0$$

$$\dagger \quad V_{g1} = 0 \quad R_{g1} = 0 \quad R_{g2} = 0$$

IMPORTANT

- 1) Heater to cathode voltage must never exceed 25 volts peak.
- 11) The heater must be switched on for 10 sec min before anode voltage is applied.
- 111) All maximum ratings are absolute values, not design centres.

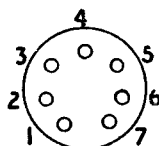
DIMENSIONS

|                                 |               |
|---------------------------------|---------------|
| Overall Length Maximum (mm)     | 54            |
| Maximum Diameter (mm)           | 19            |
| Maximum Seated Height (mm)      | 47.5          |
| Approximate Nett Weight (ozs)   | $\frac{1}{2}$ |
| Approximate Packed Weight (ozs) | $\frac{3}{4}$ |

MOUNTING POSITION - Unrestricted.

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BASE - Miniature Button 7, pin B7G.

Viewed from free end of pins.

CONNEXIONS

|       |         |    |
|-------|---------|----|
| Pin 1 | Grid 1  | g1 |
| Pin 2 | Cathode | k  |
| Pin 3 | Heater  | h  |
| Pin 4 | Heater  | h  |
| Pin 5 | Grid 2  | g2 |
| Pin 6 | Anode   | a  |
| Pin 7 | Grid 2  | g2 |

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AVERAGE CHARACTERISTIC CURVES:  $V_a/V_g$  $R_{g1}=0$  $R_{g2}=0$ 