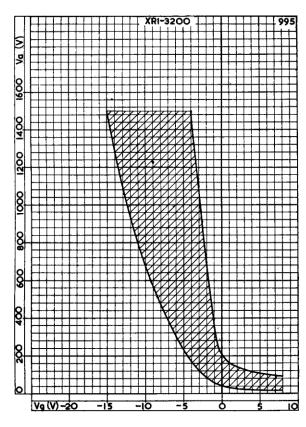
TRIODE THYRATRON

XRI-3200

Triode, inert gas-filled thyratron with negative control characteristic. Primarily designed for motor control applications.

(5544)



XRI-3200

TRIODE THYRATRON

(5544)

Triode, inert gas-filled thyratron with negative control characteristic. Primarily designed for motor control applications.

Mechanical

ISSUE 2 (Formerly MT5544)

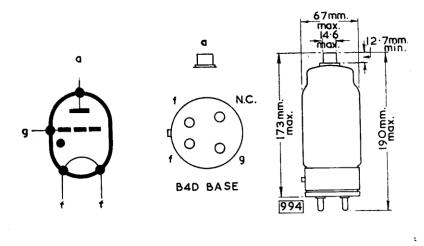
Type of cooling Mounting position

Max. net weight

Convection
Any position between horizontal and vertical with base downwards

XR1-3200 158-2

g



TRIODE THYRATRON

XRI-3200

Triode, inert gas-filled thyratron with negative control characteristic. Primarily designed for motor control applications.

(5544)

This data sheet should be read in conjunction with "DEFINITIONS AND OPERATIONAL RECOMMENDATIONS—THYRATRONS" preceding this section of the Handbook.

LIMITING VALUES (absolute ratings, not design centre)

It is important that these limits are never exceeded and such variations as mains fluctuations, component tolerances and switching surges must be taken into consideration in arriving at actual valve operating conditions.

| 1.5 1.5 | kV kV |
|------------|--|
| 40 | A |
| 560 | A |
| 250 10 | V |
| 200 | mA |
| 2.5 | A |
| 25 | mA |
| 100 | kΩ |
| to 2.63 | ٧ |
| 60 | s |
| 130 | |
| · +70 | °C |
| | 1.5 40 3.2 560 250 10 200 2.5 25 100 to 2.63 60 |

CHARACTERISTICS

Electrical

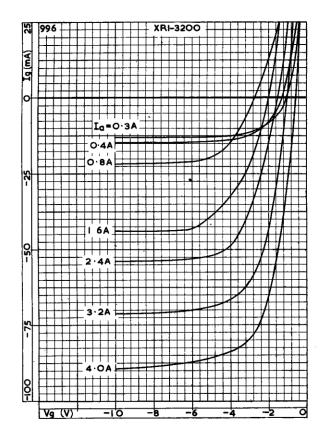
| Filament voltage | 2.5 | ٧ |
|--|------|------|
| Filament current at 2.5V | | |
| Average | 12 | Α |
| Maximum | 13.5 | Α |
| Anode to control-grid capacitance | 0.8 | μμΕ |
| Control-grid to cathode capacitance | 45 | μμϜ |
| Deionisation time (approx.) | | |
| $(a) V_g = -250V$ | 40 | μ\$ |
| (b) $V_g = -12V$ | 400 | μς |
| Ionisation time (approx.) | 10 | μs |
| Anode voltage drop (approx.) | 16 | ٧ |
| Critical grid current at V _a =1.5kV | < 20 | , μΑ |



XRI-3200

TRIODE THYRATRON

Triode, inert gas-filled thyratron with negative control characteristic. Primarily designed for motor control applications.



GRID ION CURRENT CHARACTERISTICS