



## ELECTRONIC TUBE REFERENCE

## EN32

Specialized - Thyatron electronic tube

CONSOLIDATED TECHNICAL DATA

**1 SECTION**  
CONSTRUCTION  
**THYRATRON**

Inert-gas tetrode thyatron for industrial control applications. Grid-triggered gas discharge provides reliable electronic power switching.

## GENERAL CHARACTERISTICS

|                     |                   |                      |               |
|---------------------|-------------------|----------------------|---------------|
| BASE DESIGNATION    | —                 | BASE PINS            | —             |
| NOMINAL HEATER      | 6.3 V / 950 mA    | PARALLEL HEATER      | — / —         |
| HEATING             | Indirect          | SERIES OPERATION     | Not specified |
| CATHODE ARRANGEMENT | Separate cathodes | SECTION CONSTRUCTION | Similar       |

## SECTION RATINGS

|                              |        |
|------------------------------|--------|
| <b>SECTION 1</b> Thyatron    |        |
| MAXIMUM PLATE VOLTAGE        | 1300 V |
| <i>Gas-discharge device.</i> |        |

Inert-gas tetrode thyatron for industrial control applications.

## SOURCE OPERATING CONDITIONS

# 1953 RFT Rundfunk Technik

Published test conditions and operating points. Values on this page are preserved as reported by this source.

## 1953 RFT RUNDFUNK TECHNIK

## Section 1 · Thyatron

| OTHER       |                 |                                              |
|-------------|-----------------|----------------------------------------------|
| PARAMETER   | PUBLISHED VALUE | CONDITION / NOTE                             |
| den Typen B | 2 A             | den Typen B-2A und EN 33 ähnlich.            |
| Ur          | 6.3 V           | Ur 6,3 V _ MOX 6292                          |
| If m        | 950 mA          | If m 0,95 A                                  |
| r z         | 15 s            | r z 15 s ; / fi 4                            |
| Ui          | 10 V            | Ui 10 V                                      |
| Uz          | 40 V            | Uz 40 V                                      |
| =           | 0 V             | = 0 V) E                                     |
| —U max      | 1.3 kV          | —U max. 1,3 kV                               |
| Uas max     | 0.65 kV         | Uas max. 0,650 kV                            |
| Iks maxX    | 2 A             | Iks maxX. 2 A                                |
| max         | 300 mA          | max. 300 mA } r                              |
| —U maxX     | 250 V           | —U maxX. 250 V                               |
| —U max      | 10 V            | —U max. 10 V A                               |
| ng 818 maX  | 20 mA           | ng 818 maX. 20 mA                            |
| (bei Ik =   | 200 mA          | (bei Ik = 200 mA)                            |
| 'Ug         | 2 s             | 'Ug2 s maxX. 100 V 1; Betriebslage: beliih!; |
| LUE         | 63 V            | LUE63V;Ug2=0V  _. 7 av max. 15 8             |
| U_f/k max   | 100 V           | U_f/k max. 100 V                             |

# 1963 Mullard

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1963 MULLARD  
Section 1 · Thyatron

| CHARACTERISTIC          |                 |                  |
|-------------------------|-----------------|------------------|
| PARAMETER               | PUBLISHED VALUE | CONDITION / NOTE |
| HeaterOrFilamentVoltage | 6.3 V           | —                |
| HeaterOrFilamentCurrent | 950 mA          | —                |
| Anode Voltage Drop      | 10 V            | —                |
| MinimumHeatingTime      | 20 s            | —                |

| OTHER                             |                 |                  |
|-----------------------------------|-----------------|------------------|
| PARAMETER                         | PUBLISHED VALUE | CONDITION / NOTE |
| PeakInverseAnodeVoltageMaximum    | 1300 V          | —                |
| PeakForwardAnodeVoltageMaximum    | 650 V           | —                |
| PeakCathodeCurrentMaximum         | 2 A             | —                |
| Average Cathode Current Maximum   | 300 mA          | —                |
| ControlGridNegativeVoltageMaximum | 250 V           | BeforeConduction |
| HeaterCathodeVoltageMaximum       | 100 V           | CathodePositive  |



SOURCE DATA APPENDIX

# 1971 Mullard Gas Filled Tubes

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1971 MULLARD GAS FILLED TUBES  
Section 1 · Thyatron

| OTHER                        |                 |                  |
|------------------------------|-----------------|------------------|
| PARAMETER                    | PUBLISHED VALUE | CONDITION / NOTE |
| Maximum peak anode voltage   | 1.3 kV          | —                |
| Maximum peak cathode current | 2 A             | —                |
|                              |                 |                  |

| PARAMETER               | PUBLISHED VALUE | CONDITION / NOTE |
|-------------------------|-----------------|------------------|
| Heater/filament voltage | 6.3 V           | —                |
| Heater/filament current | 950 mA          | —                |