

ELECTRONIC TUBE REFERENCE

DR74

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION  
CONSTRUCTION  
CATHODERAY

Oscillographic cathode-ray tube with electrostatic focusing and double electrostatic deflection, using a greenish-yellow long-persistence screen for retained waveform presentation.

GENERAL CHARACTERISTICS

|                     |                   |                      |               |
|---------------------|-------------------|----------------------|---------------|
| BASE DESIGNATION    | —                 | BASE PINS            | —             |
| NOMINAL HEATER      | 6.3 V / 400 mA    | PARALLEL HEATER      | — / —         |
| HEATING             | Indirect          | SERIES OPERATION     | Not specified |
| CATHODE ARRANGEMENT | Separate cathodes | SECTION CONSTRUCTION | Similar       |

SECTION RATINGS

|                                                                                                              |       |
|--------------------------------------------------------------------------------------------------------------|-------|
| SECTION1 Cathode Ray                                                                                         |       |
| MAXIMUM PLATE VOLTAGE                                                                                        | 800 V |
| Electrostatic focusing/deflection CRT section; electrical/screen/deflection data retained in parameter rows. |       |

Oscillography cathode-ray tube with electrostatic focusing and double electrostatic deflection; greenish-yellow/long-persistence family variant.



## SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

# 1957 Philips Receiving and Amplifying Tubes

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

## 1957 PHILIPS RECEIVING AND AMPLIFYING TUBES

## Section 1 · Cathode Ray

| OTHER                   |                 |                  |
|-------------------------|-----------------|------------------|
| PARAMETER               | PUBLISHED VALUE | CONDITION / NOTE |
| Maximum Plate Voltage   | 800 V           | —                |
| Anode 2 Voltage         | 800 V           | —                |
| Anode 1 Voltage Minimum | 200 V           | —                |
| Anode 1 Voltage Maximum | 300 V           | —                |

| CHARACTERISTIC    |                                                 |                  |
|-------------------|-------------------------------------------------|------------------|
| PARAMETER         | PUBLISHED VALUE                                 | CONDITION / NOTE |
| Focusing Method   | Electrostatic                                   | —                |
| Deflection Method | Double electrostatic                            | —                |
| Screen Variant    | greenish-yellow/long-persistence family variant | —                |



## SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

# 1963 Philips Electron Tubes Handbook V2

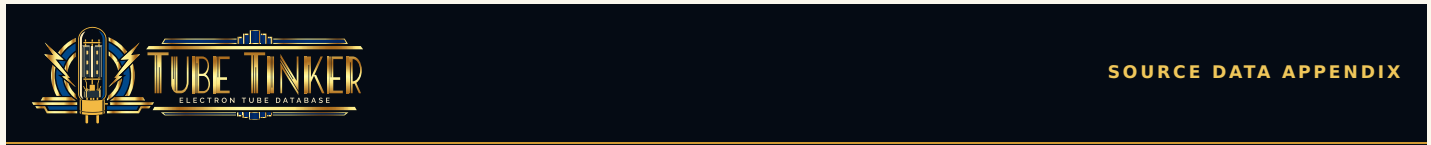
Published test conditions and operating points. Values on this page are preserved as reported by this source.

## 1963 PHILIPS ELECTRON TUBES HANDBOOK V2

## Section 1 · Cathode Ray

| CHARACTERISTIC |                      |                         |
|----------------|----------------------|-------------------------|
| PARAMETER      | PUBLISHED VALUE      | CONDITION / NOTE        |
| Heater voltage | 6.3 V                | Published heater rating |
| Heater current | 400 mA               | Published heater rating |
| Deflection     | Double electrostatic | OscilloscopeCRT         |
| D1 deflection  | Symmetrical          | OscilloscopeCRT         |
| D2 deflection  | Asymmetrical         | OscilloscopeCRT         |

| OTHER               |                                 |                  |
|---------------------|---------------------------------|------------------|
| PARAMETER           | PUBLISHED VALUE                 | CONDITION / NOTE |
| D2-prime connection | Connected to second accelerator | OscilloscopeCRT  |



### SOURCE OPERATING CONDITIONS

# 1999 Philips 0-D

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

1999 PHILIPS 0-D

## Section 1 · Cathode Ray

| CHARACTERISTIC                           |                 |                               |
|------------------------------------------|-----------------|-------------------------------|
| PARAMETER                                | PUBLISHED VALUE | CONDITION / NOTE              |
| Chauffages; indirect par C.A. ou C.C. Vf | 6.3 V           | Published datasheet condition |
| Heizung: indirekt durch Wechsel- If      | 400 mA          | Published datasheet condition |
| D2' est & connecter                      | 3 a             | Published datasheet condition |
| Capacitances Cg                          | 9 pF            | Published datasheet condition |
| Kapazitdten o                            | 4.4 PF          | Published datasheet condition |
| cD2                                      | 5 pF            | Published datasheet condition |
| cD1D1!                                   | 0.5 pF          | Published datasheet condition |
| cD2Dp2!                                  | 0.8 pF          | Published datasheet condition |
| CD1D1' - D2Dp2'                          | 0.1 pF          | Published datasheet condition |
|                                          |                 |                               |

| PARAMETER                           | PUBLISHED VALUE | CONDITION / NOTE              |
|-------------------------------------|-----------------|-------------------------------|
| Epaisseur de la ligne Eg%Q - gog X% | 0.7 mm          | Published datasheet condition |
| Va2                                 | 800 v           | Published datasheet condition |
| Vall = 200                          | 300 V           | Published datasheet condition |
| Vg 0                                | 50 V            | Published datasheet condition |
| N1                                  | 0.26 mm         | Published datasheet condition |
| N2                                  | 0.16 mm         | Published datasheet condition |
| Grenzdaten Vaz = Dax                | 1000 V          | Published datasheet condition |
| 1) Measured on a circle of          | 50 mm           | Published datasheet condition |
| Mesuré 3 un cercle de               | 50 mm           | Published datasheet condition |
| Gemessen an einem Kreis von         | 50 mm           | Published datasheet condition |
| Published value                     | -40 V           | Published datasheet condition |
| 10                                  | 10.1949 A       | Published datasheet condition |
| Published value                     | 3 A             | Published datasheet condition |

| OTHER           |                 |                               |
|-----------------|-----------------|-------------------------------|
| PARAMETER       | PUBLISHED VALUE | CONDITION / NOTE              |
| Published value | 800 v           | Published datasheet condition |
| Vai = maxX      | 400 v           | Published datasheet condition |
| Vg = max. o     | 0 v             | Published datasheet condition |
| Vg              | 100 v           | Published datasheet condition |
| VYD1D1?         | 450 v           | Published datasheet condition |
| VD2D2*          | 750 v           | Published datasheet condition |

## TUBE TINKER

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