



ELECTRONIC TUBE REFERENCE

DN94

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

CATHODERAY

Philips high-vacuum oscillography CRT with electrostatic beam control and a long-persistence display screen. The persistent trace is intended for measurements where waveforms must remain visible after the writing beam passes.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	4 V / 1 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Cathode Ray	
MAXIMUM PLATE VOLTAGE	1200 V
High-vacuum CRT with electrostatic focusing and symmetrical double electrostatic deflection. Screen variant: persistent.	

The Philips DN94 is a high-vacuum oscillography crt with persistent.



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

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage	4 V	—
Heater Current	1 A	—
Phosphor Variant	persistent text	Screen fluorescence and persistence



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

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Capacitances Cg	8 pF	Capacitances Cg = 8 pF



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
Heating: indirect by A.C. VE	4 V	Published datasheet condition
Chauffage: indirect par C.A. If = 1'	0 mA	Published datasheet condition
CD1'	9.5 pF	Published datasheet condition
CDZ	10 pF	Published datasheet condition
Cpoe	10 pF	Published datasheet condition
CD2D2'	1.3 pF	Published datasheet condition
Epaisseur de la ligne %¥a2 Z 1802 Xg	0.7 mm	Published datasheet condition
Va2	1000 V	Published datasheet condition
Va1 = 200	400 V	Published datasheet condition
Vg = 0	40 V	Published datasheet condition
N1	0.4 mm	Published datasheet condition
N2	0.31 mm	Published datasheet condition
} Measured on a circle of	50 mm	Published datasheet condition
Mesuré & un cercle de	50 mm	Published datasheet condition
Gemessen an einem Kreis von	50 mm	Published datasheet condition
10	10.1949 A	Published datasheet condition
Published value	3 A	Published datasheet condition

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Va2	1200 V	Published datasheet condition
Va11	500 V	Published datasheet condition
Vg	200 V	Published datasheet condition
VD1D1Ip	350 V	Published datasheet condition
VD2D2'p	450 V	Published datasheet condition

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
W)	3 mW	Published datasheet condition

TUBE TINKER

An independent reference for electronic tubes, vacuum tubes,
and their source documents.

[Catalog](#) [Tube types](#) [Full books](#) [Blog](#) [Feedback & corrections](#)

© 2026 Tube Tinker