

ELECTRONIC TUBE REFERENCE

DN95

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

SECTION1 Cathode Ray	
MAXIMUM PLATE VOLTAGE	5000 V
High-vacuum CRT with post-acceleration electrode, electrostatic focusing, and double electrostatic deflection. Screen variant: persistent.	

The Philips DN95 is a high-vacuum post-acceleration 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
Post-Acceleration Electrode	Present text	—



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 CD2 = 10 pF
Capacitances Cg	10 pF	Capacitances Cg = 8 pF CD2 = 10 pF

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Line width (Va	1000 V	Line width (Va3 = 1000 V)

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Post-deflection acceleration present	1	Source explicitly describes post-deflection acceleration



SOURCE DATA APPENDIX

SOURCE OPERATING CONDITIONS

SOURCE PDF

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

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Post-acceleration anode voltage	5000 V	—
Anode voltage	1000 V	—
Auxiliary anode voltage	310 V	—
Deflection sensitivity pair 1	0.18 mm/V	—
Deflection sensitivity pair 2	0.15 mm/V	—
Writing speed	240 km/s	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-cathode capacitance	7.5 pF	—
Deflection plate capacitance pair 1	1.5 pF	—
Deflection plate capacitance pair 2	2 pF	—