



ELECTRONIC TUBE REFERENCE

DB93

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

CATHODERAY

Philips DB-series electrostatic cathode-ray instrument tube for oscillographic and measurement display, with manufacturer-defined screen persistence, focusing, deflection, and accelerating characteristics for type DB93.

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 double electrostatic deflection. Screen variant: blue.	

The Philips DB93 is a high-vacuum oscillography crt with blue.



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	blue 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 C _g	8 pF	Capacitances C _g = 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
Chauffage:: indirect par C.A. Vf	4 V	Published datasheet condition
Heizung: indirekt durch If	1 A	Published datasheet condition
on a circle of	50 mm	Published datasheet condition
Published value	2 A	Published datasheet condition
Published value	3 A	Published datasheet condition

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Yu2	1200 V	Published datasheet condition
Val = nmax. 5C	0 V	Published datasheet condition
~¥y = DEX. 200 ¥ RD	1 w	Published datasheet condition

TUBE TINKER

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