



ELECTRONIC TUBE REFERENCE

DB132

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
CATHODERAY

Philips cathode-ray oscilloscope tube for oscillography, using electrostatic beam control. Manufacturer documentation provides screen, focusing and deflection, capacitance, sensitivity, rating, and operating data where published.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 300 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Cathode Ray	
MAXIMUM PLATE VOLTAGE	5000 V
<i>Cathode-ray electron-gun/display system; high-voltage acceleration and electrostatic deflection data published.</i>	

Oscillography cathode-ray tube with electrostatic deflection and high-voltage acceleration.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

194X Miniwatt

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

194X MINIWATT

Section 1 · Cathode Ray

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
FinalAcceleratingVoltage	2000 V	—
FinalAcceleratingVoltage	4000 V	High-brightness operation



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	2500 V	—
Anode/Grid 2-4 Operating Voltage	2000 V	—
Maximum Grid 2-4 Voltage	2500 V	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Focusing Method	Electrostatic	—
Deflection Method	Double electrostatic	—
Screen Variant	blue, short 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

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Main accelerating voltage	2000 V	—
Post-acceleration voltage	4000 V	—
Maximum post-acceleration voltage	5000 V	—
Maximum main accelerating voltage	2500 V	—
Maximum heater-cathode voltage	125 V	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Deflection sensitivity N1 without post-acceleration	0.43–0.51 mm/V	—
Deflection sensitivity N2 without post-acceleration	0.37–0.45 mm/V	—
Deflection sensitivity N1 with post-acceleration	0.34–0.42 mm/V	—
Deflection sensitivity N2 with post-acceleration	0.29–0.37 mm/V	—

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

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Screen diameter	13 cm	Published datasheet value
Focusing	Electrostatic	Published datasheet value
Deflection	Double electrostatic symmetrical	Published datasheet value

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid No.2 and No.4 voltage	2000 V	Published datasheet value
Focusing voltage	350–650 V	Published datasheet value
Negative grid No.1 cut-off voltage	45–90 V	Published datasheet value
Maximum grid No.2 and No.4 voltage	—2500 V	Published datasheet value
Maximum cathode-heater voltage	—125 V	Published datasheet value

TUBE TINKER

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