

ELECTRONIC TUBE REFERENCE

DB1622

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
CATHODERAY

Rectangular Philips cathode-ray tube with electrostatic deflection, documented for both radar and oscillography. Its dual-purpose design supports persistent indicator or waveform display applications.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	9.5 V / 300 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Cathode Ray	
MAXIMUM PLATE VOLTAGE	6000 V
Electrostatic focusing/deflection CRT section; electrical/screen/deflection data retained in parameter rows.	

Rectangular radar/oscillography cathode-ray tube with electrostatic deflection.



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	6.3 V	—
Heater Current	300 mA	—
Phosphor Variant	blue, short persistence text	Screen fluorescence and persistence
Screen Shape	Rectangular text	Radar or oscilloscope service



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	1800 V	—
Maximum post-acceleration voltage	6000 V	—
Maximum focusing-grid voltage	1100 V	—
Maximum main accelerating voltage	2500 V	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum cathode current	300 μ A	—
Maximum heater-cathode voltage	150 V	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid capacitance	10 pF	—
Deflection-plate capacitance D1	16 pF	Maximum
Deflection-plate capacitance D2	20 pF	Maximum

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ELECTRON TUBE DATABASE

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
Accelerator voltage	2500 V	—
Typical accelerator voltage	1800 V	—
Maximum heater voltage at switch-on in series chain	9.5 V	SeriesHeater

TUBE TINKER

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

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