



ELECTRONIC TUBE REFERENCE

DB391

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 / 550 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Cathode Ray

No fixed ratings recorded.

Electrostatic focusing/deflection CRT section; electrical/screen/deflection data retained in parameter rows.

Cathode-ray oscilloscope tube for oscillography. Philips sheet provides electrostatic focusing/deflection, screen, capacitance and operating data.

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 CDi	3.5 pF	Capacitances CDi = 3,5 pF CD2D2' = 1,0 pF
Capacitances CDi	1 pF	Capacitances CDi = 3,5 pF CD2D2' = 1,0 pF
~ Capacites	5.6 pF	-- Capacites 5,6 pF

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Line width Vg	500 V	Line width Vg2,g4,D1' = 500V
Deflection factor DIDI'	9.1 V	Deflection factor DIDI' = 9,1 V/mm 3)

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	500 V	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Useful screen diameter	28 mm	—

TUBE TINKER

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