

ELECTRONIC TUBE REFERENCE

D14372GH123

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
CATHODERAY

Philips instrument cathode-ray tube for oscilloscope service, using electrostatic beam control and documented focusing, acceleration, deflection, capacitance, screen, and operating characteristics for precision waveform display.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 240 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Cathode Ray
No fixed ratings recorded.
Primary physical section.

Instrument cathode-ray tube with electrostatic beam control/deflection data, screen characteristics, heater ratings, and operating/limiting information documented in the supplied datasheet.

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
Heater voltage	6.3 V	Nominal
Heater current	240 mA	Nominal

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
for compact oscilloscopes with up to	100 MHz	Published datasheet value
Final accelerator voltage Vg7(g)	10 kV	Published datasheet value
First accelerator voltage Vg4	2 kV	Published datasheet value
Minimum useful scan area	100 mm	Published datasheet value
horizontal M,	8 V/cm	Published datasheet value
vertical My	4 V/em	Published datasheet value
Useful screen area	2 mm	Published datasheet value
Useful scan area	2 mm	Published datasheet value
Heater voltage V ϕ	6.3 V	Published datasheet value
Heater current I	240 mA	Published datasheet value
Heating time to attain	10 a	Published datasheet value
current at equilibrium conditions approx	5 s	Published datasheet value
Overall length (socket included) <	338 mm	Published datasheet value
Faceplate dimensions	118 mm	Published datasheet value
Base	12 a	Published datasheet value

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
x1 to all other elements except x2 Cx1(x2	4.8 pF	Published datasheet value
x2 to all other elements except x	1 pF	Published datasheet value
y1 to all other elements except y9 Cy1ty2	3 pF	Published datasheet value
Cy2(y1	3 pF	Published datasheet value
X1 to X2 Cx1x2	33 pF	Published datasheet value
yltoyz Cyly2	1.4 pF	Published datasheet value
Control grid to all other elements Cq1	6.5 pF	Published datasheet value
Cathode to all other elements Ck	3.2 pF	Published datasheet value
Focusing electrode to all other elements	6 pF	Published datasheet value
Final accelerator electrode to all other elements Cq7	480 pF	Published datasheet value
pass through an opening of	122 mm	Published datasheet value
The length of the connecting leads of the rotation coil is min	350 mm	Published datasheet value
The centre of the final accelerator contact is situated within a square of	10 mm	Published datasheet value

TUBE TINKER

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