

ELECTRONIC TUBE REFERENCE

D14380GH93

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	150 MHz	Published datasheet value
Final accelerator voltage Vg7	0 kV	Published datasheet value
First accelerator voltage Vg4	2.2 kV	Published datasheet value
Minimum useful scan area	100 mm	Published datasheet value
horizontal My	8.3 V/em	Published datasheet value
vertical My ‘	4 V/cm	Published datasheet value
Photographic writing speed pP.W.S	2 cm	Published datasheet value
Useful screen area	2 mm	Published datasheet value
Useful scan area	2 mm	Published datasheet value
Heater voltage Vs	63 V	Published datasheet value
Heater current If	240 mA	Published datasheet value
Heating time to attain	10 a	Published datasheet value
at equilibrium conditions approx	5 s	Published datasheet value
Overall tength (socket included) <	338 mm	Published datasheet value
Faceplate dimensions	118 mm	Published datasheet value

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Base	12 a	Published datasheet value
Side contact connector for ϕ	0.6 mm	Published datasheet value
*n all other elements except x2 Cx1(x2	24 pF	Published datasheet value
Az w all other elements except x4 Cx2(x1	24 pF	Published datasheet value
Cyliy2	19 pF	Published datasheet value
Cy2(y1	1.9 pF	Published datasheet value
yltoyz Cyly2	1.5 pF	Published datasheet value
Control grid to all other elements Cg1	6 pF	Published datasheet value
Cathode to all other elements Cx	3.2 pF	Published datasheet value
Focusing electrode to all other elements Cg3	5 pF	Published datasheet value
detail \ &	75 ma	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

TUBE TINKER

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