



ELECTRONIC TUBE REFERENCE

D14362GH

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

SECTION 1 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
Accelerator voltage Vg2,	94 V	Published datasheet value
Minimum useful scan area	100 mm	Published datasheet value
horizontal My	19 V/em	Published datasheet value
vertical My	11.6 V/em	Published datasheet value
Useful screen area	2 mm	Published datasheet value
Useful scan area	2 mm	Published datasheet value
Heater voltage Vi	63 V	Published datasheet value
Heater current	24 A	Published datasheet value
the cathode current at equilibrium conditions approx	5 s	Published datasheet value
Overall length (socket included) <	333 mm	Published datasheet value
Faceplate dimensions	118 mm	Published datasheet value
Base	12 a	Published datasheet value
x1 to all other elements except x2 Cx1(x2	5.7 pF	Published datasheet value
x2 to all other elements except x1q Cx2(x1	5 pF	Published datasheet value
y1 to all other elements except yo Cy1(y2	4 pF	Published datasheet value

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
y2 to all other elements except Y1 Cyz(y"	4 pF	Published datasheet value
X1 to x2 Cx1x2	2.3 pF	Published datasheet value
yltoys Cyly2	1 pF	Published datasheet value
Control grid to all other elements Cg1	6 pF	Published datasheet value
Cathode to all other elements Ck	3 pF	Published datasheet value
pass through an opening of	122 mm	Published datasheet value
Line thickness =	0.2 mm	Published datasheet value
Mean deflection plate potential	2000 A	Published datasheet value
Shield voitage for optimum geometry Vg5,(%	2000 V	Published datasheet value
Accelerator and astigmatism control voltage	2000 s	Published datasheet value
Focusing voltage Vg3	220 s	Published datasheet value
of focused spot _\	91 s	Published datasheet value
Deviation of deflection linearity <	2 s	Published datasheet value

TUBE TINKER

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