

ELECTRONIC TUBE REFERENCE

D14371GH123

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 / 100 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	100 mA	Nominal

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
° for compact oscilloscopes with up to	100 MHz	Published datasheet value
Final accelerator voltage Vg7	2 kV	Published datasheet value
First accelerator voltage Vg4	2 kV	Published datasheet value
Minimum useful scan area	100 mm	Published datasheet value
horizontal My	8 V/cm	Published datasheet value
vertical My	4 V	Published datasheet value
The D1	4 s	Published datasheet value
Heater voltage V ϕ	63 V	Published datasheet value
Heater current I ϕ	1 A	Published datasheet value
the cathode current at equilibrium conditions approx	7 s	Published datasheet value