



ELECTRONIC TUBE REFERENCE

D10390GHD9A

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
CATHODERAY

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

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

SECTION 1 Cathode Ray

No fixed ratings recorded.

Published electrical ratings and operating data captured in promoted fields where directly applicable and additional parameter rows.

Philips cathode-ray tube intended for oscilloscope or instrument-display service. The datasheet specifies screen, heating, electrostatic deflection, accelerator/focusing voltages, capacitances, operating characteristics, and limiting values as applicable.

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
ghort tube max	20 mm	Published datasheet specification
for small oscilloscopes with up to	0 MHz	Published datasheet specification
Final accelerator voltage Vg	0 kV	Published datasheet specification
Minimum useful scan area	0 mm	Published datasheet specification
Useful screen area »»	0 mm	Published datasheet specification
Useful scan area	70 mm	Published datasheet specification
Overall length (socket included) max	20 mm	Published datasheet specification
Published specification	4	Published datasheet specification
Final accelerator electrode fo all other elements	40 pF	Published datasheet specification
\W i NMy __{ &	8	Published datasheet specification
through an opening of	5 mm	Published datasheet specification
Published specification	350 mm	Published datasheet specification
Published specification	7 mm	Published datasheet specification
Line thickness	0.125 mm	Published datasheet specification
Final accelerator voltage Vary	0 kV	Published datasheet specification
Focusing voltage Vaa	50	Published datasheet specification
Deviation of deflection linearity	2	Published datasheet specification
in horizontal direction	4 mm	Published datasheet specification
Angle between x-trace and x-axis of internal graticuls	5	Published datasheet specification

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Control grid voltage Vgt max	0 V	Published datasheet specification
Published specification	20 A	Published datasheet specification
area of max	0 mm	Published datasheet specification
For some applications a mean x-potential up to	0 V	Published datasheet specification
potential, and a range of	25 V	Published datasheet specification
The sensitivity af a deflection of legg than	5	Published datasheet specification
useful scan will not differ from the sensitivity at a deflection of	5	Published datasheet specification
A graticule consisting of concentric rectangles of	8	Published datasheet specification
mm and	6.8	Published datasheet specification
part. The coil has a maximum resistance of	35	Published datasheet specification
Published specification	5	Published datasheet specification

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
at Vgagq	1000 V	Published datasheet specification

TUBE TINKER

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