

ELECTRONIC TUBE REFERENCE

DG95

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
CATHODERAY

Philips/Mullard DG-series cathode-ray instrument tube for oscillographic and measurement display, with manufacturer-defined electrostatic beam focusing, deflection, screen, and accelerating characteristics for type DG95.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	4 V / 1 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Cathode Ray	
MAXIMUM PLATE VOLTAGE	5000 V
High-vacuum CRT with post-acceleration electrode, electrostatic focusing, and double electrostatic deflection. Screen variant: green.	

The Philips DG95 is a high-vacuum post-acceleration oscillography crt with green.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1957 Philips Receiving and Amplifying Tubes

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1957 PHILIPS RECEIVING AND AMPLIFYING TUBES

Section 1 · Cathode Ray

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage	4 V	—
Heater Current	1 A	—
Phosphor Variant	green text	Screen fluorescence and persistence
Post-Acceleration Electrode	Present text	—



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1963 Philips Electron Tubes Handbook V2

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1963 PHILIPS ELECTRON TUBES HANDBOOK V2

Section 1 · Cathode Ray

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Capacitances Cg	8 pF	Capacitances Cg = 8 pF CD2 = 10 pF
Capacitances Cg	10 pF	Capacitances Cg = 8 pF CD2 = 10 pF

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Line width (Va	1000 V	Line width (Va3 = 1000 V)

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Post-deflection acceleration present	1	Source explicitly describes post-deflection acceleration



SOURCE DATA APPENDIX

SOURCE OPERATING CONDITIONS

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

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
D2' est & connecter	3 a	Published datasheet condition
Capacitances Cg	8 pF	Published datasheet condition
Capacitances Cg = 8 pF Cpo	10 pF	Published datasheet condition
Kapazitéten Opy	95 PF	Published datasheet condition
Kapazitéten Opy = 95 PF Cpo+	10 pF	Published datasheet condition
CD1'	9.5 pF	Published datasheet condition
CD1' = 9,5 pF CD1D1'	1.1 pF	Published datasheet condition
Cpaper = a	4 PF	Published datasheet condition
Line width (va3	1000 V	Published datasheet condition
Epaisseur de la ligne éVaZ	1000 V	Published datasheet condition
Epaisseur de la ligne éVaZ = 1000 V	0.7 mm	Published datasheet condition
Linienbreite Iy	0.5 w	Published datasheet condition
(Va3	5000 V	Published datasheet condition
EVaZ	1000 V	Published datasheet condition
EVaZ = 1000 V	0.55 mm	Published datasheet condition
Va1	1000 V	Published datasheet condition
Va1 = 1000 V	5000 V	Published datasheet condition
Va2	1000 V	Published datasheet condition
Va2 = 1000 V	1000 V	Published datasheet condition

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Va1 = 200	400 V	Published datasheet condition
Va1 = 200 - 400 V 230	430 V	Published datasheet condition
~Vg = 0	40 V	Published datasheet condition
~Vg = 0 - 40V 0~	40 V	Published datasheet condition
N1 = 0,38 mn/V	0.18 mm	Published datasheet condition
N2	0.32 mm	Published datasheet condition
N2 = 0,32 mm/V	0.15 mm	Published datasheet condition
1) Measured on a circle of	50 mm	Published datasheet condition
Mesuré 3 un cercle de	50 mm	Published datasheet condition
Gemessen an einem Kreis von	50 ma	Published datasheet condition

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Va3	5000 V	Published datasheet condition
Va3 = max. 5000 V 7D1D1'p	350 V	Published datasheet condition
Va2	1200 V	Published datasheet condition
Va2 = max. 1200 V vD2D2'p	450 V	Published datasheet condition
Va1	500 V	Published datasheet condition
Va1 = max. 500 V Wp	3 mW	Published datasheet condition
Vg	200 V	Published datasheet condition

TUBE TINKER

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