

ELECTRONIC TUBE REFERENCE

DB72

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
CATHODERAY

Philips electrostatic cathode-ray instrument tube with a blue short-persistence screen, 4 V heater, and double electrostatic deflection for oscillographic waveform display.

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	800 V
Electrostatic focusing/deflection CRT section; electrical/screen/deflection data retained in parameter rows.	

Oscillography cathode-ray tube with electrostatic deflection.



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	blue, short persistence text	Screen fluorescence and persistence



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

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Chauffage: indirect par C.C. ou C.A. Vf	4 V	Published datasheet condition
Heizung: indirekt durch Wechsel~ If	1 A	Published datasheet condition
DG 7	-2 v	Published datasheet condition
DN 7	-2 v	Published datasheet condition
Heizung : indirekt durch Wechsel- Ifr	1 A	Published datasheet condition
Capacitances Cg	7 pF	Published datasheet condition

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Kapazitten °p	5.5 pF	Published datasheet condition
cD1	6.5 pF	Published datasheet condition
CD2	6.5 pF	Published datasheet condition
Cp2r	4 a	Published datasheet condition
Cp2r4a2	12 pF	Published datasheet condition
CD1D1'	0.65 pF	Published datasheet condition
Cpapa	2.5 pF	Published datasheet condition
Va2	800 V	Published datasheet condition
Va1 = 150	350 V	Published datasheet condition
Vg = 0~	30 V	Published datasheet condition
N1	0.22 mm	Published datasheet condition
N2	0.14 mm	Published datasheet condition
) Kcasured on a circle of	50 mm	Published datasheet condition
Mesur� & un cercle de	50 mm	Published datasheet condition
Gemessen an einem Kreis von	50 mm	Published datasheet condition
CD'I	5.5 pF	Published datasheet condition
Chyr	6.5 pF	Published datasheet condition
Chyr = 6,5 pF Cpopar	2.5 pF	Published datasheet condition
Cpo = &	5 pF	Published datasheet condition
Cpo = &5 pF Cplpit-pep2r	7 pF	Published datasheet condition
Line width v	800 V	Published datasheet condition
Epaigseur de la ligne E D2'g3	0.9 mm	Published datasheet condition
VDZ',gB	800 V	Published datasheet condition
Vg2 = 150	-350 V	Published datasheet condition
1) Measured on a circle of	50 mm	Published datasheet condition
Voz193	800 V	Published datasheet condition
BEE R T	7 V	Published datasheet condition
Published value	7.1953 A	Published datasheet condition
Published value	5 A	Published datasheet condition
Published value	6 A	Published datasheet condition

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Va2 = max. 800 V VD1D1'p	450 V	Published datasheet condition
Va1	350 V	Published datasheet condition
Va1 = max. 350V VD2D2'p	750 V	Published datasheet condition
Vg = max,	200 V	Published datasheet condition
VD2',g3	800 V	Published datasheet condition
VD2',g3 = max. 800 V VD1D1'p = mgx	450 V	Published datasheet condition
Vg2	350 V	Published datasheet condition
Vg2 = max. 350V VD2D2'p	750 V	Published datasheet condition
Vg1	200 V	Published datasheet condition
Vg1 = max. 200V Ry	2 MΩ	Published datasheet condition
Rg1	1.5 MΩ	Published datasheet condition