



ELECTRONIC TUBE REFERENCE

DN73

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

CATHODERAY

Philips high-vacuum oscillography CRT with electrostatic beam control and a long-persistence display screen. The persistent trace is intended for measurements where waveforms must remain visible after the writing beam passes.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 400 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Cathode Ray	
MAXIMUM PLATE VOLTAGE	1000 V
<i>Electrostatic focusing/deflection CRT section; electrical/screen/deflection data retained in parameter rows.</i>	

Oscillography cathode-ray tube with electrostatic focusing and double electrostatic deflection; green, long persistence.



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

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Plate Voltage	800 V	—
Anode 2 Voltage	800 V	—
Anode 1 Voltage Minimum	200 V	—
Anode 1 Voltage Maximum	300 V	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Focusing Method	Electrostatic	—
Deflection Method	Double electrostatic	—
Screen Variant	green, long persistence	—



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
Chauffage: indirect par C.A. ou C.C. Ve	6.3 V	Published datasheet condition

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heizung: indirekt durch Wechsel~ If	400 mA	Published datasheet condition
Capac.: 'gtzneces Cg	9 pF	Published datasheet condition
Published value	4.4 pF	Published datasheet condition
cp2	5 pF	Published datasheet condition
cp2!	5.4 PF	Published datasheet condition
CDiD1!	46 PF	Published datasheet condition
CD2D2*	0.6 pF	Published datasheet condition
ine width . Va2	800 V	Published datasheet condition
Va2	800 V	Published datasheet condition
vail = 200	300 V	Published datasheet condition
~Vg = 0=~	507 V	Published datasheet condition
N ="	10.26 mm	Published datasheet condition
N2	0.16 mm	Published datasheet condition
vez = 28T "	800 v	Published datasheet condition
77 measured on & circle of	50 mm	Published datasheet condition
mesuré & un cercle de	50 mm	Published datasheet condition
gemessen zn einem Kreis von	50 mm	Published datasheet condition
Published value	1 A	Published datasheet condition
Published value	40 V	Published datasheet condition
1C.1C	1949 A	Published datasheet condition
Published value	3 A	Published datasheet condition

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Vail	400 V	Published datasheet condition
Vg	100 V	Published datasheet condition
VD1D1'p	450 V	Published datasheet condition
VD2D2'p= max. T	50 V	Published datasheet condition