

ELECTRONIC TUBE REFERENCE

AW4348

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
CATHODERAY

Rectangular professional monitor CRT with a metal-backed white screen, electrostatic focusing, and approximately 70-degree magnetic deflection. Philips documentation gives high-voltage operation to about 16 kV.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 300 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Cathode Ray	
MAXIMUM PLATE VOLTAGE	16000 V
CRT-specific electrical, optical, deflection, focusing, capacitance, and mechanical data are retained in TUBE_SECTION_PARAMETER because the locked promoted fields primarily target conventional electrode sections.	

Rectangular monitor tube with metal-backed white screen, electrostatic focusing, and 70-degree magnetic deflection.



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

CONSTRUCTION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Screen color	White	MonitorCRT
Focusing	Electrostatic	MonitorCRT
Deflection	Double magnetic	MonitorCRT

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Screen useful dimension	390 mm	MonitorCRT
Final accelerator voltage	14 kV	MonitorCRT
Grid No.2 voltage	300 V	MonitorCRT
Heater voltage	6.3 V	MonitorCRT
Heater current	300 mA	MonitorCRT



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

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid No.1 capacitance	8 pF	Maximum
Cathode capacitance	8 pF	Maximum

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Final accelerator operating voltage	14000 V	—
Grid No.2 operating voltage	300 V	—
Grid No.4 operating voltage range	-200–200 V	—
Visual extinction grid No.1 voltage range	30–70 V	—
Final accelerator minimum voltage	10000 V	—
Final accelerator maximum voltage	16000 V	—
Maximum positive grid No.4 voltage	500 V	—
Maximum negative grid No.4 voltage	500 V	—
Maximum negative grid No.1 voltage	200 V	—

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Resolution	650 lines	BetterThan;CentreOfScreen

TUBE TINKER

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