

ELECTRONIC TUBE REFERENCE

AW3648

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
CATHODERAY

Rectangular television studio-monitor picture tube with gray filter glass and a metal-backed white screen. Philips documentation identifies professional monitor service rather than ordinary domestic receiver use.

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
No fixed ratings recorded. 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 television studio-monitor picture tube with grey filter glass and metal-backed white screen.



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	318 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

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	6.3 V	—
Heater current	300 mA	—

CONSTRUCTION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Useful screen diagonal/diameter	318 mm	—
Deflection method	Magnetic	—
Screen construction	Metal-backed	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid No.1 capacitance maximum	8 pF	—
Cathode capacitance maximum	8 pF	—
External coating capacitance	1100 pF	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater switch-on voltage maximum	9.5 V	SeriesHeaterChain

TUBE TINKER

An independent reference for electronic tubes, vacuum tubes, and their source documents.

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