

ELECTRONIC TUBE REFERENCE

AW2180

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
CATHODERAY

Direct-view television monitor CRT with a metal-backed white screen, electrostatic focusing, 90-degree magnetic deflection, and ion trap for professional monitoring applications.

GENERAL CHARACTERISTICS

BASE DESIGNATION	DUODECAL 7P	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.

Direct-view television monitor tube with metal-backed white screen, electrostatic focusing, 90-degree magnetic deflection, and ion trap.



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	195 mm	MonitorCRT
Final accelerator voltage	9 kV	MonitorCRT
Grid No.2 voltage	400 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	195 mm	—
Deflection method	Magnetic	—
Focusing method	Electrostatic	—
Deflection angle	90 deg	—
Ion trap	Present	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid No.1 capacitance maximum	8 pF	—
Cathode capacitance maximum	6 pF	—
External coating capacitance	250–350 pF	—

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