

ELECTRONIC TUBE REFERENCE

MW3667

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
CATHODERAY

Rectangular all-glass television monitor CRT with filter glass, metal-backed screen, magnetic focusing, and double magnetic deflection for professional monitoring.

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	14000 V
Rectangular all-glass television picture tube with filter glass, metal-backed screen, magnetic focusing, and double magnetic deflection.	

Rectangular all-glass television monitor tube with filter glass, metal-backed screen, magnetic focusing, and double magnetic 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

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage	6.3 V	—
Heater Current	300 mA	—
DeflectionMethod	Magnetic	—
FocusingMethod	Magnetic	—
UsefulScreenDiagonalMinimum	318 mm	—
DeflectionMethod	Double magnetic	—
FilterGlassPresent	1 boolean	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
TypicalAcceleratingVoltage	14000 V	—
MaximumAcceleratingVoltage	15000 V	—

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

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-1 capacitance	8 pF	—
Cathode capacitance	—8 pF	Maximum

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Screen color	White	—
Light transmission	66 %	—
Useful diagonal	318— mm	Minimum
Useful width	288— mm	Minimum
Useful height	217— mm	Minimum
Anode/grid-3 voltage	14000 V	—
Grid-2 voltage	300 V	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-1 cutoff-voltage magnitude	30–70 V	—



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1999 Philips E-Z

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1999 PHILIPS E-Z

Section 1 · Cathode Ray

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Capacitance	8 pF	Capacités Cg1 < 8 pF
Capacitance	8 pF	Capacitances Cet s 8 pF

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	5 V	heater voltage must not exceed 5 V when the supply
Heater voltage	9.5 V	darf die Heizspannung beim Einschalten 9,5 V nicht über-
Heater voltage	9.5 V	heater voltage must not exceed 9.5 V when the supply
Heater voltage	9.5 V	darf die Heizspannung beim Einschalten 9,5 V nicht über-

TUBE TINKER

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

[Catalog](#) [Tube types](#) [Full books](#) [Blog](#) [Feedback & corrections](#)

© 2026 Tube Tinker