



ELECTRONIC TUBE REFERENCE

A5923W

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
CATHODERAY

Large 59 cm-class monochrome television picture tube for high-voltage direct-view service, using manufacturer-specified magnetic deflection, focusing, screen, and beam-control characteristics.

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	20000 V
Published Telefunken ratings and characteristics promoted from the supplied source.	

59 cm reinforced direct-view television CRT, electrically identical to A59-11W.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1959 Telefunken

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

1959 TELEFUNKEN

Section 1 · Cathode Ray

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HeaterOrFilamentVoltage	6.3 V	—
HeaterOrFilamentCurrent	300 mA	—
UsefulScreenDiagonalMinimum	566 mm	—
UsefulScreenWidthMinimum	489 mm	—
UsefulScreenHeightMinimum	385 mm	—
DeflectionMethod	Magnetic	—
Deflection Angle	110 degree	—
FocusingMethod	Electrostatic	—
ScreenConstruction	Metal-backed grey glass	—



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1963 Mullard

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

1963 MULLARD

Section 1 · Cathode Ray

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Focusing method	Electrostatic	—
Deflection method	Magnetic	—
Deflection angle	110 deg	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Light transmission	50 %	—

CONSTRUCTION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Screen construction	Metal-backed	—

APPLICATION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Application	Direct-view television / radar display	—
Presentation	Push-through suitable	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Final-anode voltage maximum	20 kV	—
Final-anode voltage operating	16 kV	—
First-anode voltage maximum	800 V	—
Focus-electrode positive voltage maximum	1000 V	—
Focus-electrode negative voltage maximum	-500 V	—
Heater surge voltage maximum	9.5 V rms	SeriesHeater
Grid positive excursion maximum	2 V	—
Anode supply source impedance maximum	1.5 Mohm	—

TUBE TINKER

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

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