

ELECTRONIC TUBE REFERENCE

A6511W

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
CATHODERAY

Large direct-view monochrome television picture tube with magnetic deflection and electrostatic focusing. Its rectangular aluminized screen and wide-angle scanning are designed for conventional television receiver display service.

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.	

65 cm reinforced direct-view television CRT with 110-degree deflection.

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	616.5 mm	—
UsefulScreenWidthMinimum	530 mm	—
UsefulScreenHeightMinimum	416 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	—

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

APPLICATION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Application	Direct-view television / radar display	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Final-anode voltage maximum at zero current	20 kV	—
Final-anode voltage minimum	13 kV	—
Focus-electrode positive voltage maximum	1000 V	—
Focus-electrode negative voltage maximum	-500 V	—
First-anode supply source impedance maximum	1.5 Mohm	—