



ELECTRONIC TUBE REFERENCE

D5100WB

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
CATHODERAY

Single-beam rectangular-screen CRT with very low heater power, intended for pocket television sets and small oscilloscopes. Its compact low-consumption construction supports portable monitoring and waveform display.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	0.55 V / 60 mA	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Cathode Ray

No fixed ratings recorded.

Cathode-ray/oscilloscope section; operating voltages and deflection characteristics are preserved in parameter rows.

Single-beam oscilloscope tube with rectangular screen and very low heater power, intended for pocket TV sets and small oscilloscopes.

SOURCE OPERATING CONDITIONS

195X AEG Telefunken

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

195X AEG TELEFUNKEN
Section 1 · Cathode Ray

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Mean Deflection Plate Potential	2000 V	Published typical operating condition or characteristic from the approved datasheet.
Acceleration Voltage	2000 V	Published typical operating condition or characteristic from the approved datasheet.
Wehnelt Voltage for Spot Cut-off	-35--18 V	Published typical operating condition or characteristic from the approved datasheet.
Modulation Voltage	15 V	Published typical operating condition or characteristic from the approved datasheet.
Focusing Voltage	150-250 V	Published typical operating condition or characteristic from the approved datasheet.
Astigmatism Correction Voltage	1900-2100 V	Published typical operating condition or characteristic from the approved datasheet.
Heater Voltage	0.55 V	Published heater rating.
Heater Current	60 mA	Published heater rating.

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Deflection Coefficient X	90-110 V/cm	Published typical operating condition or characteristic from the approved datasheet.
Deflection Coefficient Y	90-110 V/cm	Published typical operating condition or characteristic from the approved datasheet.
Useful Scan X	40 mm	Published typical operating condition or characteristic from the approved datasheet.
Useful Scan Y	30 mm	Published typical operating condition or characteristic from the approved datasheet.

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

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