



ELECTRONIC TUBE REFERENCE

D10650GH

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

CATHODERAY

Single-beam oscilloscope CRT with aluminized screen and mesh electrode, combining high deflection sensitivity, accuracy, brightness, and writing speed for compact wideband oscilloscopes.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 92 mA	PARALLEL HEATER	— / —
HEATING	Indirect	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 aluminized screen and mesh electrode, high deflection sensitivity, high accuracy and high brightness, intended for small wideband oscilloscopes.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

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	1000 V	Published typical operating condition or characteristic from the approved datasheet.
Mean Deflection Plate Potential	1500 V	Published typical operating condition or characteristic from the approved datasheet.
First Acceleration Voltage	1000 V	Published typical operating condition or characteristic from the approved datasheet.
First Acceleration Voltage	1500 V	Published typical operating condition or characteristic from the approved datasheet.
Wehnelt Voltage for Spot Cut-off	-72--36 V	Published typical operating condition or characteristic from the approved datasheet.
Modulation Voltage	25 V	Published typical operating condition or characteristic from the approved datasheet.
Astigmatism Correction Voltage	960-1040 V	Published typical operating condition or characteristic from the approved datasheet.
Geometry Correction Voltage	960-1040 V	Published typical operating condition or characteristic from the approved datasheet.
Mesh Electrode Voltage	935-1025 V	Published typical operating condition or characteristic from the approved datasheet.
Heater Voltage	6.3 V	Published heater rating.
Heater Current	92 mA	Published heater rating.

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Deflection Coefficient Y	43-53 V/cm	Published typical operating condition or characteristic from the approved datasheet.
Deflection Coefficient X	10.5-12.8 V/cm	Published typical operating condition or characteristic from the approved datasheet.

TUBE TINKER

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