



ELECTRONIC TUBE REFERENCE

D14131GH

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
CATHODERAY

Philips or Telefunken D-series cathode-ray instrument tube designed for oscillographic and measurement display, with manufacturer-defined electrostatic beam control, deflection, screen, and accelerating characteristics for type D14131GH.

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

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 aluminized flat screen, blanking electrode and mesh electrode, high deflection sensitivity, high accuracy and high brightness, with side deflection-plate connections 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	1250 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	1250 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.
Post-deflection Acceleration Voltage	12.5 kV	Published typical operating condition or characteristic from the approved datasheet.
Wehnelt Voltage for Spot Cut-off	-90--50 V	Published typical operating condition or characteristic from the approved datasheet.
Modulation Voltage	37 V	Published typical operating condition or characteristic from the approved datasheet.
Blanking Electrode Voltage	1250 V	Published typical operating condition or characteristic from the approved datasheet.
Blanking Electrode Voltage	1500 V	Published typical operating condition or characteristic from the approved datasheet.
Astigmatism Correction Voltage	1200-1300 V	Published typical operating condition or characteristic from the approved datasheet.
Geometry Correction Voltage	1200-1300 V	Published typical operating condition or characteristic from the approved datasheet.
Mesh Electrode Voltage	1175-1275 V	Published typical operating condition or characteristic from the approved datasheet.
Heater Voltage	6.3 V	Published heater rating.
Heater Current	300 mA	Published heater rating.

TUBE TINKER

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