



ELECTRONIC TUBE REFERENCE

D13621GM

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
CATHODERAY

Philips/Telefunken D-series cathode-ray instrument tube for oscillographic display; no manufacturer artifact is currently attached, so the description is limited to its supported instrument-CRT family.

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 flat-faced screen and high deflection sensitivity, intended for service 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	-75--45 V	Published typical operating condition or characteristic from the approved datasheet.
Modulation Voltage	20 V	Published typical operating condition or characteristic from the approved datasheet.
Focusing Voltage	340-500 V	Published typical operating condition or characteristic from the approved datasheet.
Astigmatism Correction Voltage	1960-2040 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.

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Deflection Coefficient Y	11.3-13.7 V/cm	Published typical operating condition or characteristic from the approved datasheet.
Deflection Coefficient X	20-25 V/cm	Published typical operating condition or characteristic from the approved datasheet.
Useful Scan Y	80 mm	Published typical operating condition or characteristic from the approved datasheet.
Useful Scan X	100 mm	Published typical operating condition or characteristic from the approved datasheet.