



ELECTRONIC TUBE REFERENCE

A3115W

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
CATHODERAY

European rectangular monochrome television picture tube with electrostatic focusing, magnetic deflection, and an aluminized or metal-backed screen. Manufacturer documentation supports direct-view receiver service with wide-angle deflection and compact cabinet geometry.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	— / —	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.

CRT section. Maximum ratings, operating conditions, capacitances, optical and mechanical values are preserved as parameters where published.

31 cm rectangular picture tube with 110° 2. Typical Operating Conditions (T) deflection angle, electrostatic focusing, aluminized screen and tension band in- :ff @ gg ; B0 A cluding tube mount Ui 1 RY

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1976 ITT Picture Tubes

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

1976 ITT PICTURE TUBES

Section 1 · Cathode Ray

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
A31	-15 W	—
Published value	31 cm	—
aluminized screen and tension band in- :ff @ gg ; B	0 mA	—
Ugz	300 V	—
Ugs @	0–400 V	—
Published value	9395 a	—
9395a U cutori @ (2)	35–69 V	—
% 9 Ug3gsa max &	18 kV	—
Ug3g	5 a	—
Ug3g5a min & (2)	12 kV	—
gy Kk Eg_&:gsa min	16 k	—
Ug- 'l max	1000 v	—
s [-Ugs) rax	500 V	—
Egd min	470 ohm	—
Ug2 max	550 V	—
Ug? min	200 V	—
1. Generalities Ro2 min	470 ohm	—
Electron Tetrode with Einzel- Uk max	150 V	—
Lens yk_pllax	220 V	—
Base ~ German Standard (=Ux) p max	2 V	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
DIN 44431 Ruigl max	1.5 MQ	—
(Short Design) Zw/g) max	0.5 MQ	—
Deflection Method Magnetic Pim max i	10 mW/cm	—
Deflection Angles Diagonal 110° Uk max1 @ @	410 V	—
Horizontal 99° U _ gk max 2 @ @	200 v	—
Vertical 80° U s ik max	135 V	—
Neck Diameter	28.6 mm	—
Neck Diameter 28,6 mm Rikmex @ (2)	1 MQ	—
Face Shape Spherical Zijk max @	0.1 MQ	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
LA 53 %% approx.) Cgl approx.	6 pF	—
Screen 'Phosphor P4 Alu- Ck approx.	5 pF	—
minized - Cg3g	5 a	—
minized - Cg3g5a/m approx. (2)	650 pF	—
Fluorescence Colour White CgdgSa/m' max	200 pF	—
Colour Temperature 12	0 °K	—
Minimum Useful 257x	195 mm	—
Dimensions Diagonal	295 mm	—
Overall Length 2376 £	6.4 mm	—
Weight	2.7 kg	—
A31	-15 W	—

TUBE TINKER

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

