ELECTRONIC TUBE REFERENCE

A44281W

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	— / 74 mA	**PARALLEL HEATER**	— / —
HEATING	Indirect	**SERIES OPERATION**	Not specified
CATHODE ARRANGEMENT	Separate cathodes	**SECTION CONSTRUCTION**	Similar

Section ratings

SECTION1 Cathode Ray

No fixed ratings recorded.

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

44 cm rectangular picture tube with 110° 2. Typical Operating Conditions (1) deflection angle, electrostatic focusing, aluminized screen and steel reinforcement

SOURCE OPERATING CONDITIONS

1976 ITT Picture Tubes

SOURCE PDF

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**
A 44	**-280 W**	—
A 44	**-281 W**	—
Published value	**44 cm**	—
u@	**11 V**	—
i ~ approx.	**74 mA**	—
Ugagsa @ 13]	**13 kV**	—
Ugz 200 350 ©® S	**50 V**	—
Published value	**93954 a**	—
Ugs @ ...350	**0–350 V**	—
Usggsamax @ @	**14 kV**	—
Ugsgsamin @ @	**10 kV**	—
Published value	**9 k**	—
9 k (2)	**450 V**	—
Ugz max	**350 V**	—
Us2 min =	**200 V**	—
L_’(k max	**100 V**	—
Uk_p max i	**350 V**	—
Electron Gun Tetrode with Einzel- - q	**5 MQ**	—
Lens [)	**5 MQ**	—
Heating Time @® =	**5 s**	—
Heating Time @® = 5s (approx.) (2)	**110 V**	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Ad4	**-281 W**	—
Ad4-281W (2)	**130 V**	—
Base Special Miniature	**0.1 MQ**	—

CIRCUITDESIGNRATINGS

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Deflection Angles Diagonal 110° loz < *	**5 uA**	—
Horizontal gy [= A < T	**25 uA**	—
Dlameter	**20 mm**	—

CAPACITANCE

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Material Filter-Glass Cor_ approx.	**6 pF**	—
{Light Transmission Bk approx.	**5 pF**	—
Published value	**1500 pF**	—
Screen Phosphor Cg3g	**5 a**	—
Screen Phosphor Cg3g5a/m min 100 (2)	**0 pF**	—
Published value	**550 pF**	—
Colour Temperature 12	**0 °K**	—
Minimum Useful 346 x	**270 mm**	—
Dimensions Diagonal	**413 mm**	—
Overall Length	**284 mm**	—
We;ght	**5.6 kg**	—
A 44	**-280 W**	—
Ad4	**-281 W**	—

Tube Tinker

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

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