



ELECTRONIC TUBE REFERENCE

A44280W

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

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.

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

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
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	—
Usggsamin @ @	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	—
Diameter	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

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and their source documents.

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