



ELECTRONIC TUBE REFERENCE

A5110W

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
CATHODERAY

51 cm-class monochrome television picture tube documented for direct-view television service, using high-voltage CRT operation and manufacturer-specified magnetic deflection and focusing.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 360 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.

51 cm rectangular picture tube with 110° 2. Typical Operating Conditions 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
A51	-10 W	—
Published value	51 cm	—
Ui @	63 V	—
Ug3a	5 a	—
Ug3a5a (2)	20 kv	—
Vg2 400	500 V	—
Ugs @ 0...400	0-400 V	—
{(-Ug) cutott@ 40... 77	50-83 V	—
Uccutor@ 36... 66	45-79 V	—
92 99 Ug3gsa mex)	20 kV	—
Ugflgsa min @	13 kV	—
Rg3g	5 a	—
Published value	9 k	—
Ra4 min	470 ohm	—
Ug2 max	550 V	—
Y min	350 V	—
A2 min	470 ohm	—
Electron Gun Tetrode with Einzel- {=Ug1) max	150 V	—
Lens Ylp max	2 V	—
Bulb All-Glass Type (=Ua1) p max	400 V	—
Deflection Method Magnetic _ U_ ik max 1 @_@	410 V	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Deflection Angles Diagonal 110° U _{ik} max 2 @ & 25!	3 V	—
Neck Diameter	28.6 mm	—
Face Shape Spherical Zf	1 k	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
49 % approx.) Cgl approx.	6 pF	—
minized Cg3g	5 a	—
minized Cg3g5a/m min (2)	1400 pF	—
Fluorescence Colour White 8	2100 pF	—
Cg3g	5 a	—
Colour Tem perature 12	0 °K	—
Colour Tem perature 12 000 °K (approx.) Cg3g (2)	5 a	—
Colour Tem perature 12 000 °K (approx.) Cg3g5a/m' __approx. (3)	390 pF	—
Minimum Useful 384 x	308 mm	—
Dimensions Diagonal	473 mm	—
Overall Length 321,5	6.5 mm	—
A51	-10 W	—

TUBE TINKER

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and their source documents.

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