



ELECTRONIC TUBE REFERENCE

A61120W2

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
CATHODERAY

Large direct-view monochrome television picture tube with magnetic deflection and electrostatic focusing. Its rectangular aluminized screen and wide-angle scanning are designed for conventional television receiver display service.

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.

61 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
A 61	-120 W	—
Published value	61 cm	—
U@	63 V	—
Ui 03 ¥	6 %	—
Uazsa	20 KV	—
92 400	500 V	—
Ugs @ 0...400	0-400 V	—
Ugagss max &	20 KV	—
Ugagsa min_ ®	13 kV	—
Published value	9 k	—
9 k Rg3g (2)	5 a	—
Uqd p max	2500 V	—
(=Ug4) max	500 V	—
Hud min	470 ohm	—
Ug2 max	550 V	—
Ug2 min	350 V	—
Rg2 min	470 ohm	—
Lens	2 V	—
Bulb All-Glass Type {(=Ug1) max	150 V	—
Base German Standard (-=Ug1) b max	400 V	—
Deflection Method Magnetic Pim max (]	10 mW/cm	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Deflection Angles Diagonal 110° Uoimx 1 ® ®	410 V	—
Horizontal 99° U_fkmax 2 @ @	250 V	—
NN > S ¥ Vertical 82" U--- fa"kp max	300 V	—
Neck Diameter	28.6 mm	—
Neck Diameter 28,6 mm : U+f. "!< max (2)	135 V	—
S	44 %	—

CIRCUITDESIGNRATINGS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
minized lg2 < *	5 uA	—
Fluorescence Colour White [< T	25 A	—
Colour Temperature 12	0 °K	—
Colour Temperature 12 000 °K (approx.) Amim' = (2)	2 MQ	—
Minimum Useful 481 x	376 mm	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Diagonal	577.56 mm	—
Overall Length 362f	8 mm	—
Overall Length 362f8 mm Cal approx. (2)	6 pF	—
Weiaht	13 kg	—
Weiaht 13 kg (approx.) Gk approx. (2)	5 pF	—
Cyg3p5alm max o	2600 pF	—
Implosion protection by steel reinforcement. Cg	395 a	—
Implosion protection by steel reinforcement. Cg395a/m _min (2)	1700 pF	—
Admitted by Association of German Elec- Cg3gSa/m' max	580 pF	—
A 61	-120 W	—

TUBE TINKER

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and their source documents.

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