

ELECTRONIC TUBE REFERENCE

A5922W

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
CATHODERAY

Large 59 cm-class monochrome television picture tube for high-voltage direct-view service, using manufacturer-specified magnetic deflection, focusing, screen, and beam-control characteristics.

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

SECTION1 Cathode Ray
No fixed ratings recorded.
CRT section. Maximum ratings, operating conditions, capacitances, optical and mechanical values are preserved as parameters where published.

59 cm rectangular picture tube with 110° 2. Typical Operating Conditions deflection angle, electrostatic> focusing, Us @ 63V aluminized screen and steel reinforcement e 03+6%A including tube mount e 20 kV

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	5922 W	—
Published value	59 cm	—
deflection angle, electrostatic focusing, U_s @	63 V	—
aluminized screen and steel reinforcement e 03	6 %	—
including tube mount e	20 kV	—
$U_{gs} \approx 0 \dots 400$ D...	400 V	—
@ 40..., 77	50–93 V	—
LJ'k cutoff @ 36... 66 45 ..	19 V	—
max &	20 kV	—
Published value	9 k	—
9 k RgSgSa min (2)	16 kG	—
Published value	1000 V	—
@& ; Sl	2500 V	—
$U_{g?}$ max	550 V	—
Lens alp max	2 V	—
Bulb All-Glass Type (-Ug1) max	150 V	—
Published value	400 V	—
Published value	1.5 MQ	—
Deflection Method Magnetic ~ p=	10 mW/cm	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Deflection Angles Diagonal 110° U _{tkmax1} @ @	410 V	—
Horizontal 99° U _{tkmax2} @ @	250 V	—
; Vertical 82° U _{ichwae}	300 V	—
Neck Diameter	286 mm	—
Neck Diameter 286 mm U _{#k} max (2)	135 V	—
Face Shape Spherical W _{iasas} .	180 V	—
Material Filter-glass R _t / max @D =	1 MΩ	—
{Light Transmission Z _{ilk} max @ ;	0.1 MΩ	—
=F	5 uA	—
=*¥	25 uA	—
Colour Temperature	12000 °K	—
Minimum Useful 489 x	385 mm	—
Dimensions Diagonal	566 mm	—
8 T C _{gl} approx.	6 pF	—
Weight	13 kg	—
Weight 13kg (approx) 0k approx. (2)	5 pF	—
)] ~ S C _{qigSa'm} max	2600 pF	—
Implosion protection by steel reinforcement. C _{qagsalm} min	1700 pF	—
Admitted by Association of German Elec- cy _{3ssarm'} max	580 pF	—
trical Engineers, VDE. C _{alg5alm'} min	380 pF	—
A 59	-22 W	—

TUBE TINKER

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and their source documents.

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