



ELECTRONIC TUBE REFERENCE

A66120X

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

CATHODERAY

Large rectangular color television picture tube using multiple electron beams and a shadow-mask tricolor phosphor-dot screen. Its magnetic deflection and high-voltage direct-view construction are designed specifically for color receiver service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 900 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.

ITT-Picture Tube A 66-120 X is a rec- 1. Generalities tangular colour picture tube with 90° deflec- Bulb All-Glass Type The useful screen area of 2030 cm² (appr.) Rectangular mission of 52 % (appr.). Screen Dimensions Horizontal 518 mm The phosphor screen is composed of Vertical 390 mm emitting phosphor dot. The green- and Deflection Angles Diagonal a0°

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
tion angle and	38.5 mm	—
The useful screen area of	2030 cm	—
has nearly straight sides of 52 x	33 cm	—
Minimum Useful Diagonal	618 mm	—
mission of 52 % (appr.). Screen Dimensions Horizontal	518 mm	—
The phosphor screen is composed of Vertical	390 mm	—
each consisting of a red-, green- and blue- _ Area (approx.)	2030 cm	—
Neck Diameter	36.5 mm	—
Weight	21 kg	—
Ur @	63 V	—
Ty 0 (approx.)	900 mA	—
Ygigsa =L	2 k	—
Ygigsa =L __ 2k lor (~Uqr = (2)	150 V	—
Ugg	42–50 kV	—
a3 max	6 kV	—
UQZ_ B max	1 kV	—
(_b_':g__'l) p max	400 V	—
(_Ugi) max	200 V	—
u~-fik max 1	410 V	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Published value	250 V	—
Published value	300 V	—
Published value	180 V	—
180 V nearest centre of screen (2)	0.81 mm	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
U _{gz} cut-off @ ~	210–495 V	—
a _t (U _{gq})	105 V	—
("U _{gi}) cut-off @	70–140 V	—
("U _{gi}) cut-off @ 70...140 V el approx. (2)	7 pF	—
a _L U _{gQ} =	300 V	—
C _k _ approx.	5 pF	—
i R approx.	7 pF	—
max 3SE	2500 pF	—
min	2000 pF	—
U9495_a_ max @	27.5 KV	—
U9495_a_ max @ 27,5 KV CodgSa/m' ____approx. (2)	500 pF	—
a _{4g}	5 a	—
a _{4g5a} min (2)	20 kV	—
I _{gag}	5 a	—
I _{gag5a} max & (2)	1 mA	—

TUBE TINKER

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