



ELECTRONIC TUBE REFERENCE

A63200X

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 / 800 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 AB3—11X (A63—200X) 1. Mechanical Data is a rectangular colour picture tube with 89° deflection angle and 36,5 mm neck di- The useful screen area of 2000 cm² (appr.) Screen Dimensions Horizontal 504 mm The phosphor screen is composed of

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
89° deflection angle and	36.5 mm	—
The useful screen area of	2000 cm	—
has nearly straight sides of 50 x	40 cm	—
Minimum Useful Diagonail	584 mm	—
Screen Dimensions Horizontal	504 mm	—
has a light transmission of 52 % {appr.})- Vertical	396 mm	—
Area (appr.)	2000 cm	—
Neck Diameter	36.5 mm	—
Overall Length 526 f	9.5 mm	—
pounds activated with rare-earths. Weight	19 kg	—
U@	63 V	—
Iy (approx.)	8 A	—
Iy (approx.) 08A Ig2 = =+ (2)	5 uA	—
Ugdqfifl	25 kV	—
Ugdqfifl 25 kV A lg1 (U = (2)	150 V	—
Ugdqfifl 25 kV A lg1 (U = 150V) <+ (3)	5 uA	—
Cgdg5alm min	2000 pF	—
@	275 kV	—
@ 275kV Cg4g5alm' A 63-11 X (approx.) (2)	400 pF	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
ggiQSa _min	20 kV	—
X (approx.)	280 pF	—
{gdgSa max 1	0 mA	—
Ug3 max	6 kV	—
Ug? 3 max .	1 kV	—
(Ugl:' p_ max	400 V	—
(_-:-_UQT} ik	200 V	—
Ug}_ P max S Y	2 v	—
U sk mBx1 ®®	410 v	—
Uik max 2 @ @© ay	250 V	—
nearest centre of screen	0.74 mm	—
Uitk max @ s	135 V	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Usz atoit @ @	285–685 V	—
(at (-Us1) =	150 V	—
(-Ua1) cuLofF@	95–190 V	—
(at	400 V	—
(at 400 V) Ck (approx.) (2)	5 pF	—
o7I e {approx.)	6.5 pF	—

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