

ELECTRONIC TUBE REFERENCE

A4911X

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

CATHODERAY

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

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

SECTION1 Cathode Ray
No fixed ratings recorded.
Representative of three identical electron-gun sections.

The Mullard A4911X is a 49 cm rectangular shadow-mask colour television CRT with three electron guns and metal-backed three-colour phosphor-dot screen

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1963 Mullard

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1963 MULLARD

Section 1 · Cathode Ray

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage	6.3 V	—
Heater Current	900 mA	—
Focusing Method	Electrostatic text	—
Deflection Method	Magnetic text	—
Deflection Angle	90 deg	—
Light Transmission	54 percent	Approximate
Grid Cutoff Voltage Range	-65 to -135 V	EachGun; Va1=300V
Light Output at Screen Centre	130 cd/m2	FocusedRaster
White Point x	0.281 ratio	—
White Point y	0.311 ratio	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Final Anode Voltage	25000 V	EachGun
Focus Electrode Voltage Minimum	4200 V	EachGun
Focus Electrode Voltage Maximum	5000 V	EachGun

TUBE TINKER

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and their source documents.

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