ELECTRONIC TUBE REFERENCE

A4718W

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
CATHODERAY

47 cm monochrome television picture tube with electrostatic focusing, magnetic deflection, approximately 110-degree scanning, and high-voltage direct-view operation around 18–20 kV.

General characteristics

BASE DESIGNATION	–	**BASE PINS**	–
NOMINAL HEATER	6.3 V / 300 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.

Cathode-ray electron-gun/display section.

The Mullard A4718W is a direct-view monochrome television CRT with metal-backed screen

SOURCE OPERATING CONDITIONS

1963 Mullard

SOURCE PDF

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	**300 mA**	—
Focusing Method	**Electrostatic text**	—
Deflection Method	**Magnetic text**	—
Deflection Angle	**110 deg**	—
Light Transmission	**75 percent**	Approximate
Grid Cutoff Voltage Range	**-40 to -77 V**	AtFirstAnode=400V
Grid Cutoff Voltage Range	**-50 to -93 V**	AtFirstAnode=500V

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Final Anode Voltage	**18000 V**	—
Focus Electrode Voltage Minimum	**0 V**	—
Focus Electrode Voltage Maximum	**400 V**	—
First Anode Voltage	**400 V**	OperatingOption1
First Anode Voltage	**500 V**	OperatingOption2
Maximum Heater Surge Voltage	**9.5 V**	SeriesHeaterOperation

Tube Tinker

An independent reference for electronic tubes, vacuum tubes, and their source documents.

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