

ELECTRONIC TUBE REFERENCE

M4612

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
CATHODERAY

Philips/Mullard monochrome cathode-ray picture tube for direct-view television service, with manufacturer-defined screen dimensions, magnetic deflection, focusing, and high-voltage operation.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	4 V / 1.2 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Cathode Ray
No fixed ratings recorded.
Television CRT electron-gun/display section.

The Mullard M4612 is a 12-inch television cathode-ray tube with a white screen and double electromagnetic deflection.



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	4 V	—
Heater Current	1.2 A	—
Screen Size	12 in	—
Fluorescence	White text	—
Deflection Method	Double Electromagnetic text	—
Grid Cutoff Voltage Range	0 to -60 V	—
Grid Input Capacitance	60 pF	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Second Anode Voltage Minimum	4000 V	—
Second Anode Voltage Maximum	5000 V	—
First Anode Voltage	250 V	—
Focusing Coil Ampere Turns	500 AT	—
Maximum Second Anode Voltage	6000 V	—
Maximum First Anode Voltage	250 V	—

TUBE TINKER

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