

ELECTRONIC TUBE REFERENCE

E4612

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
CATHODERAY

Twelve-inch white-screen television cathode-ray tube designed for direct-view monochrome receiver display service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	4 V / 1 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Cathode Ray	
MAXIMUM PLATE VOLTAGE	5000 V
Published ratings, characteristics, operating conditions and capacitances extracted from supplied Mullard source.	

Twelve-inch white-screen television cathode-ray tube.

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

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HeaterOrFilamentVoltage	4 V	—
HeaterOrFilamentCurrent	1 A	—
GridToAllCapacitance	15 pF	—
DeflectionPlatePairNearCathodeCapacitance	5.5 pF	—
DeflectionPlatePairNearScreenCapacitance	6.5 pF	—
DeflectionMethod	Double electrostatic	—
PhosphorColour	White	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
ThirdAnodeVoltage	5000 V	—
SecondAnodeVoltage	1400 V	—
FirstAnodeVoltage	250 V	—
GridVoltageRange	0 to -60 V	—
DeflectionSensitivityNearCathode	0.17 mm/V	—
DeflectionSensitivityNearScreen	0.13 mm/V	—
ThirdAnodeVoltageMaximum	5000 V	—
SecondAnodeVoltageMaximum	1700 V	—
FirstAnodeVoltageMaximum	250 V	—
GridVoltageMagnitudeMaximum	200 V	—