



ELECTRONIC TUBE REFERENCE

E46G10

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

CATHODERAY

Ten-inch green-screen oscillograph CRT with double electrostatic deflection, providing a large direct-view waveform display for instrumentation.

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

SECTION 1 Cathode Ray	
MAXIMUM PLATE VOLTAGE	5000 V
<i>Published ratings, characteristics, operating conditions and capacitances extracted from supplied Mullard source.</i>	

Ten-inch green-screen double-electrostatic oscillograph CRT.

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	—
DeflectionPlatePair1Capacitance	6.5 pF	—
DeflectionPlatePair2Capacitance	5.5 pF	—
DeflectionMethod	Double electrostatic	—
PhosphorColour	Green	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
ThirdAnodeVoltage	5000 V	—
SecondAnodeVoltage	1400 V	—
FirstAnodeVoltage	250 V	—
GridVoltageRange	0 to -60 V	—
DeflectionSensitivity1	0.13 mm/V	—
DeflectionSensitivity2	0.11 mm/V	—
ThirdAnodeVoltageMaximum	5000 V	—
SecondAnodeVoltageMaximum	1700 V	—
FirstAnodeVoltageMaximum	250 V	—
WritingSpeedMaximum	0.5 km/s	—

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

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