

ELECTRONIC TUBE REFERENCE

ECR30

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
CATHODERAY

Mullard oscillographic cathode-ray tube with green non-persistent screen, intended for rapidly changing waveform display without significant afterglow.

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	1000 V
Published source values promoted where applicable; additional published values retained as parameters.	

The Mullard ECR30 is an oscillographic cathode-ray tube with green non-persistent screen.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1951 Mullard Valve and Service Manual

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

1951 MULLARD VALVE AND SERVICE MANUAL

Section 1 · Cathode Ray

CHARACTERISTICS

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Deflection method	Electrostatic	—
Screen color	Green, medium persistence	—

APPLICATION

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Application	Oscilloscope display	—



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 A	—
Fluorescence	Green text	—
Persistence	Non-persistent text	—
Deflection Method	Electrostatic text	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid Voltage Minimum	-18 V	—
Grid Voltage Maximum	-1 V	—
Deflection Sensitivity	170/Va3 mm/V	XandYPlates
Grid Capacitance Maximum	20 pF	—
Deflection Plate Capacitance Maximum	15 pF	EachPlate
Cross-Plate Capacitance Maximum	3 pF	OneXtoOneY

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode Voltage	800 V	—
Focus Voltage Minimum	100 V	—
Focus Voltage Maximum	170 V	—
Maximum Anode Voltage	1000 V	—

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