

ELECTRONIC TUBE REFERENCE

E40G3

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

CATHODERAY

Four-inch green-screen oscillograph CRT with double electrostatic deflection, designed for direct-view electronic waveform measurement.

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	800 V
Published ratings, characteristics, operating conditions and capacitances extracted from supplied Mullard source.	

Four-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	6 pF	—
DeflectionPlatePair1Capacitance	1 pF	—
DeflectionPlatePair2Capacitance	3 pF	—
DeflectionMethod	Double electrostatic	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
SecondAnodeVoltage	500 V	—
SecondAnodeVoltage	800 V	—
FirstAnodeVoltageForFocus	140 V	Anode2=500V
FirstAnodeVoltageForFocus	220 V	Anode2=800V
DeflectionSensitivity1	0.35 mm/V	Anode2=500V
DeflectionSensitivity2	0.24 mm/V	Anode2=500V
WritingSpeedMaximum	0.3 km/s	—
FirstAnodeVoltageMaximum	275 V	—

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