



ELECTRONIC TUBE REFERENCE

E42G6

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

CATHODERAY

Six-inch green-screen oscillograph CRT with double electrostatic deflection, providing a larger direct-view waveform display for measurement equipment.

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	2000 V
Published ratings, characteristics, operating conditions and capacitances extracted from supplied Mullard source.	

Six-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	12 pF	—
DeflectionPlatePair1Capacitance	6 pF	—
DeflectionPlatePair2Capacitance	7 pF	—
DeflectionMethod	Double electrostatic	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
SecondAnodeVoltage	1000 V	—
SecondAnodeVoltage	2000 V	—
FirstAnodeVoltageForFocus	200 V	Anode2=1000V
FirstAnodeVoltageForFocus	400 V	Anode2=2000V
DeflectionSensitivity1	0.54 mm/V	Anode2=1000V
DeflectionSensitivity1	0.27 mm/V	Anode2=2000V
DeflectionSensitivity2	0.4 mm/V	Anode2=1000V
DeflectionSensitivity2	0.2 mm/V	Anode2=2000V
WritingSpeedMaximum	0.5 km/s	—
FirstAnodeVoltageMaximum	600 V	—

TUBE TINKER

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

