



ELECTRONIC TUBE REFERENCE

DR42

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

CATHODERAY

Philips or Mullard oscillography CRT with electrostatic beam control and a greenish-yellow long-persistence screen. Its lingering trace is intended for waveform measurements and instrument displays requiring extended visual retention.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 400 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Cathode Ray	
MAXIMUM PLATE VOLTAGE	800 V
<i>High-vacuum oscilloscope CRT; phosphor suffix family differs by luminescent colour/persistence.</i>	

The Mullard DR42 is a high-vacuum electrostatic oscilloscope tube with an approximately 1.5-inch screen and long persistence phosphor.

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

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Screen Colour / Persistence	Long persistence	—
Focusing Method	Electrostatic	—
Deflecting Method	Double Electrostatic	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode Voltage	800 V	—
Focusing Electrode Voltage Minimum	200 V	—
Focusing Electrode Voltage Maximum	300 V	—

TUBE TINKER

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