



ELECTRONIC TUBE REFERENCE

AW4790

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
CATHODERAY

European rectangular monochrome television picture tube with electrostatic focusing, magnetic deflection, and a metal-backed or aluminized screen. Manufacturer documentation supports high-voltage direct-view receiver service with compact wide-angle geometry.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 300 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Cathode Ray	
MAXIMUM PLATE VOLTAGE	20000 V
Published Mullard ratings, characteristics, capacitances, and operating data promoted where applicable; additional electrical values retained as parameters.	

19-inch rectangular grey-glass television CRT with electrostatic focus and 110-degree deflection.

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
Focusing method	Electrostatic	—
Deflection method	Magnetic	—
Deflection angle	110 deg	—
Light transmission	75 %	—
Grid cutoff range	-38 to -94 V	—
Cathode cutoff range	36 to 78 V	—

CONSTRUCTION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Screen construction	Metal-backed	—

APPLICATION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Application	Direct-view television / radar display	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Focus-electrode control range	0 to 400 V	—
Final-anode voltage maximum	20 kV	—
Heater-cathode voltage maximum cathode negative	125 V	—
Heater-cathode voltage maximum cathode positive	200 V	—
Heater-cathode peak voltage maximum cathode positive	410 V	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater surge voltage maximum	9.5 V rms	SeriesHeater
Grid positive excursion maximum	2 V	—