



ELECTRONIC TUBE REFERENCE

ECC34

Power - TV Vertical Output electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

TRIODE-TRIODE

Low-impedance double triode designed for television frame time-base oscillator and current-amplifier service, combining moderate gain with relatively high cathode-current capability.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	8
NOMINAL HEATER	6.3 V / 950 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
PLATE RESISTANCE	5200 Ω
TRANSCONDUCTANCE	0.0022 S
AMPLIFICATION FACTOR	11.5
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM PLATE DISSIPATION	3.25 W
MAXIMUM CATHODE CURRENT	50 mA
<i>Published Mullard ratings and characteristics promoted from the supplied source.</i>	

SECTION2 Triode	
PLATE RESISTANCE	5200 Ω
TRANSCONDUCTANCE	0.0022 S
AMPLIFICATION FACTOR	11.5
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM PLATE DISSIPATION	3.25 W
MAXIMUM CATHODE CURRENT	50 mA
<i>Second physical triode section; added to align rows with SectionCount.</i>	

Low-impedance double triode for television frame time-base oscillator and current-amplifier service.



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 · Triode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage	6.3 V	—
Heater Current	950 mA	—



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 · Triode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	250 V	—
Grid voltage	-16 V	—
Plate current	10 mA	—
Transconductance	2.2 mA/V	—
Amplification factor	11.5	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage maximum	300 V	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate dissipation maximum	3.25 W	—
Cathode current maximum	50 mA	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Inter-section plate capacitance	0.48 pF	—
Plate-grid capacitance each section	4 pF	—
Grid-cathode capacitance each section	3.5 pF	—
Plate-cathode capacitance each section	1.8 pF	—

APPLICATION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Application	TV frame time-base oscillator / current amplifier	—