



ELECTRONIC TUBE REFERENCE

EBC33

Voltage - Triode (with diode, heptode or hexode) electronic tube

CONSOLIDATED TECHNICAL
DATA

3 SECTIONS

CONSTRUCTION

DIODE-DIODE-TRIODE

Double-diode high-mu triode for receiver detector, AVC, and audio voltage-amplifier service. Paired diodes perform signal and control rectification while the high-gain triode amplifies recovered audio.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 200 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Dissimilar

SECTION RATINGS

SECTION1 Diode	
PEAK INVERSE VOLTAGE	200 V
NOMINAL OUTPUT CURRENT	800 mA
<i>Published Mullard ratings and characteristics promoted from the supplied source.</i>	

SECTION2 Diode	
<i>No fixed ratings recorded.</i>	
<i>Second physical diode section added in approved reconciliation.</i>	

SECTION3 Triode	
PLATE RESISTANCE	15000 Ω
TRANSCONDUCTANCE	0.002 S
AMPLIFICATION FACTOR	30
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM PLATE DISSIPATION	1.5 W
<i>Published Mullard ratings and characteristics promoted from the supplied source.</i>	

Double-diode medium-gain triode for audio-frequency voltage amplification, detection, and related receiver functions.



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 · Diode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage	6.3 V	—
Heater Current	200 mA	—

1951 MULLARD VALVE AND SERVICE MANUAL

Section 3 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Voltage	250 V	TransformerCoupledAFAmplifier
Plate Current	5 mA	TransformerCoupledAFAmplifier



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1967 Mullard Receiving Tubes for Maintenance

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1967 MULLARD RECEIVING TUBES FOR MAINTENANCE

Section 1 · Diode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
I. 2 4	5 mA	Published in approved EBC33.pdf target datasheet; Section2

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
h max	10 mA	Published in approved EBC33.pdf target datasheet; Section2

1967 MULLARD RECEIVING TUBES FOR MAINTENANCE

Section 3 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
I. 2 4	5 mA	Published in approved EBC33.pdf target datasheet; Section1
h max	10 mA	Published in approved EBC33.pdf target datasheet; Section1

TUBE TINKER

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