



ELECTRONIC TUBE REFERENCE

EC31

Voltage - Triode (single) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Low-impedance triode for voltage amplification or low-power output service; available source data do not establish the project's 5-watt threshold.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 650 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
PLATE RESISTANCE	3300 Ω
TRANSCONDUCTANCE	0.0032 S
AMPLIFICATION FACTOR	10.5
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM PLATE DISSIPATION	5 W
MAXIMUM CATHODE CURRENT	30 mA
<i>Published Mullard ratings and characteristics promoted from the supplied source. Mullard EC31 low-impedance triode, used for voltage amplification or low-power Class A output. Maximum anode voltage 250 V, dissipation 5 W, cathode current 30 mA. Typical Class A output at V_a 250 V and V_g -16 V: I_a 20 mA, g_m 3.2 mA/V, amplification factor 10.5, plate resistance 3.3 kΩ.</i>	

Low-impedance triode for voltage-amplifier or low-power output 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	650 mA	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Supply Voltage	250 V	RCAmplifier