



ELECTRONIC TUBE REFERENCE

EF731

Voltage - Pentode Remote Cutoff (single) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

PENTODE

Mullard subminiature variable-mu RF pentode for controlled high-frequency amplification in miniature professional receiver equipment.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	8
NOMINAL HEATER	6.3 V / 150 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Pentode	
PLATE RESISTANCE	260000 Ω
TRANSCONDUCTANCE	0.0045 S
MAXIMUM PLATE VOLTAGE	165 V
MAXIMUM SCREEN VOLTAGE	155 V
MAXIMUM PLATE DISSIPATION	1.1 W
MAXIMUM SCREEN DISSIPATION	0.55 W
<i>Published ratings and characteristics promoted from the supplied Brimar source.</i>	

The Mullard EF731 is a subminiature variable-mu RF pentode for controlled RF amplification.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1958 Mullard Receiving Tubes

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

1958 MULLARD RECEIVING TUBES

Section 1 · Pentode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage	6.3 V	—
Heater Current	150 mA	—
VariableMuCharacteristic	1 boolean	—



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 · Pentode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage	6.3 V	—
Heater Current	150 mA	—
Plate Voltage	100 V	—
Screen Voltage	100 V	—
Plate Current	7.2 mA	—
Screen Current	2.2 mA	—
Transconductance	4500 μ S	—
Plate Resistance	260000 ohm	—
Grid Voltage	-1.1 V	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transconductance at GridVoltage=-14V	25 uS	—
Input Capacitance	4.3 pF	Shielded
Output Capacitance	3.4 pF	Shielded
Plate-Grid Capacitance Maximum	0.015 pF	Shielded

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Plate Voltage	165 V	—
Maximum Screen Voltage	155 V	—
Maximum Plate Dissipation	1.1 W	—
Maximum Screen Dissipation	0.55 W	—
Maximum Plate Supply Voltage	330 V	—
Maximum Screen Supply Voltage	310 V	—

TUBE TINKER

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and their source documents.

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