

ELECTRONIC TUBE REFERENCE

EF71

Voltage Pentode - Remote Cutoff (single) electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
PENTODE

Mullard subminiature variable-mu RF pentode for compact gain-controlled high-frequency amplifier stages.

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

SECTION1 Pentode	
PLATE RESISTANCE	260000 Ω
TRANSCONDUCTANCE	0.0045 S
MAXIMUM PLATE VOLTAGE	175 V
MAXIMUM SCREEN VOLTAGE	175 V
MAXIMUM PLATE DISSIPATION	1 W
MAXIMUM SCREEN DISSIPATION	0.5 W
Published ratings and characteristics promoted from the supplied Brimar source.	

The Mullard EF71 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	—
Input Capacitance	4.5 pF	Shielded

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Output Capacitance	3.4 pF	Shielded
Plate-Grid Capacitance Maximum	0.015 pF	Shielded
Cathode Resistor	120 ohm	—
Grid Voltage at gm=25uS	-14 V	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Plate Voltage	175 V	—
Maximum Screen Voltage	175 V	—
Maximum Plate Dissipation	1 W	—
Maximum Screen Dissipation	0.5 W	—
Maximum Plate Supply Voltage	300 V	—
Maximum Screen Supply Voltage	300 V	—