



ELECTRONIC TUBE REFERENCE

EF70

Voltage Pentode - High Frequency (single) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
PENTODE

Subminiature high-slope RF pentode with specialized suppressor-grid arrangement and internal suppressor diode for compact high-frequency circuitry.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	8
NOMINAL HEATER	6.3 V / 200 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Pentode	
PLATE RESISTANCE	100000 Ω
TRANSCONDUCTANCE	0.0025 S
MAXIMUM PLATE VOLTAGE	175 V
MAXIMUM SCREEN VOLTAGE	175 V
MAXIMUM PLATE DISSIPATION	0.75 W
MAXIMUM SCREEN DISSIPATION	0.4 W
<i>Published ratings and characteristics promoted from the supplied Brimar source.</i>	

The Mullard EF70 is a subminiature high-slope RF pentode with short suppressor-grid base and internal suppressor diode.



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	200 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 · Pentode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage	6.3 V	—
Heater Current	200 mA	—
Plate Voltage	100 V	—
Screen Voltage	100 V	—
Plate Current	3 mA	—
Screen Current	2.25 mA	—
Transconductance	2500 μ S	—
Plate Resistance	100000 ohm	—
Plate-Grid Capacitance Maximum	0.025 pF	Shielded

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Input Capacitance	4.5 pF	Shielded
Output Capacitance	4.7 pF	Shielded
Grid Voltage	-2 V	—
Grid Voltage at PlateCurrent=100uA	-8 V	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Plate Voltage	175 V	—
Maximum Screen Voltage	175 V	—
Maximum Plate Dissipation	0.75 W	—
Maximum Screen Dissipation	0.4 W	—
Maximum Plate Supply Voltage	300 V	—
Maximum Screen Supply Voltage	300 V	—