



ELECTRONIC TUBE REFERENCE

EF730

Voltage Pentode - High Frequency (single) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

PENTODE

Subminiature RF pentode with short suppressor-grid base for specialized miniature high-frequency and signal-control circuitry.

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	110000 Ω
TRANSCONDUCTANCE	0.0032 S
MAXIMUM PLATE VOLTAGE	165 V
MAXIMUM SCREEN VOLTAGE	155 V
MAXIMUM PLATE DISSIPATION	1.1 W
MAXIMUM SCREEN DISSIPATION	0.7 W
<i>Published ratings and characteristics promoted from the supplied Brimar source.</i>	

The Mullard EF730 is a subminiature RF pentode with short suppressor-grid base.



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	—



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	5.3 mA	—
Screen Current	0 mA	—
Transconductance	3200 μ S	—
Plate Resistance	110000 ohm	—
Grid1 Transconductance	3200 μ S	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
SuppressorGrid Transconductance	500 uS	—
Grid1 Cutoff Voltage	-7.5 V	Ia=10uA
Grid3 Cutoff Voltage	-8 V	Ia=10uA
Plate-Grid1 Capacitance Maximum	0.02 pF	Shielded
Grid1-Grid3 Capacitance Maximum	0.15 pF	Shielded
Input Capacitance Grid1	4 pF	Shielded
Input Capacitance Grid3	3.7 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	0.7 W	—
Maximum Plate Supply Voltage	330 V	—
Maximum Screen Supply Voltage	310 V	—
Maximum Grid3 Positive Voltage	30 V	—