



ELECTRONIC TUBE REFERENCE

4046A

Voltage - Pentode Sharp Cutoff (single) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

PENTODE

Indirectly heated high-impedance pentode with very high amplification factor and low grid-plate capacitance for high-gain small-signal amplification.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	5
NOMINAL HEATER	4 V / 950 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Pentode	
PLATE RESISTANCE	800000 Ω
AMPLIFICATION FACTOR	2400
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM SCREEN VOLTAGE	100 V
MAXIMUM CATHODE CURRENT	9 mA
Ratings and characteristics extracted from 5A128B.pdf.	

Indirectly heated oxide-cathode pentode with a metallised bulb connected to cathode, very high published plate resistance, and typical low-power amplifier operating data.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1937 Standard Valves

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

1937 STANDARD VALVES

Section 1 · Pentode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-anode capacitance	0.007 pF	—
Input capacitance	10.7 pF	—
Output capacitance	8 pF	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode current	3.9 mA	V _p =250V;V _{g2} =100V;V _{g1} =-1.5V
Load	50000 ohm	V _p =250V;V _{g2} =100V
Output	0.315 W	V _p =250V;V _{g2} =100V



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1946 Standard Telephone and Cables

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

1946 STANDARD TELEPHONE AND CABLES

Section 1 · Pentode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater/filament voltage	4 V	—
Heater/filament current	950 mA	—
Plate resistance	800000 ohm	—
Amplification factor	2400	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum direct anode voltage	250 V	—
Maximum screen voltage	100 V	—



SOURCE DATA APPENDIX

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1947 Standard Valves

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1947 STANDARD VALVES

Section 1 · Pentode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
GridToAnodeCapacitance	0.007 pF	—
Input Capacitance	10.7 pF	—
Output Capacitance	8 pF	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
MaximumDirectAnodeCurrent	9 mA	—

TUBE TINKER

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