



ELECTRONIC TUBE REFERENCE

LA

Power - Pentode (NOT beam) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

PENTODE

Directly heated output pentode co-designated with 6A4 for conventional audio-frequency power amplification.

GENERAL CHARACTERISTICS

BASE DESIGNATION	5B	BASE PINS	5
NOMINAL HEATER	6.3 V / 300 mA	PARALLEL HEATER	– / –
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Pentode	
PLATE RESISTANCE	45400 Ω
TRANSCONDUCTANCE	0.0022 S
MAXIMUM PLATE VOLTAGE	180 V
MAXIMUM SCREEN VOLTAGE	180 V
<i>Published maximum ratings and representative operating characteristics reviewed.</i>	

LA is explicitly printed with 6A4 as type 6A4/LA on the source sheet and represents the same directly heated output pentode.



SOURCE OPERATING CONDITIONS

1950 Sylvania

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

1950 SYLVANIA

Section 1 · Pentode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Resistance	60000 ohm	—
Transconductance	2500 μ S	—
Amplification Factor	150	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Plate Voltage	180 V	—
Maximum Screen Voltage	180 V	—
Power Output	1.5 W	—
Load Resistance	8000 ohm	—



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

195X General Electric Essential Characteristics

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

195X GENERAL ELECTRIC ESSENTIAL CHARACTERISTICS

Section 1 · Pentode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	180 V	ClassA

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Screen-grid voltage	180 V	ClassA
Grid voltage	-12 V	ClassA
Plate current	22 mA	ClassA
Screen-grid current	3.9 mA	ClassA
Load resistance	8000 ohm	ClassA
Power output	1.4 W	ClassA

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate resistance	45400 ohm	ClassA
Transconductance	2200 uS	ClassA

TUBE TINKER

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and their source documents.

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