

ELECTRONIC TUBE REFERENCE

1LA4

Power - Pentode (NOT beam) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
PENTODE

Low-drain directly heated battery power pentode providing roughly 115 mW Class-A audio output.

GENERAL CHARACTERISTICS

BASE DESIGNATION	5AD	BASE PINS	8
NOMINAL HEATER	1.4 V / 50 mA	PARALLEL HEATER	– / –
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Pentode	
PLATE RESISTANCE	300000 Ω
TRANSCONDUCTANCE	0.00085 S
MAXIMUM PLATE VOLTAGE	110 V
MAXIMUM SCREEN VOLTAGE	110 V
Pentode power amplifier.	

1LA4 is listed as a power-amplifier pentode in the supplied receiving-tube handbook. It uses a 1.4 V, 0.05 A directly heated filament. The handbook publishes maximum ratings and representative operating characteristics for its intended service.

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
Maximum plate voltage	110 V	Published handbook rating
Maximum screen voltage	110 V	Published handbook rating
Plate voltage	90 V	ClassA
Screen voltage	90 V	ClassA
Control-grid voltage	-4.5 V	ClassA
Plate current	4 mA	ClassA
Screen current	0.8 mA	ClassA
Load resistance	125000 ohm	ClassA
Power output	0.115 W	ClassA

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate resistance	300000 ohm	Published handbook characteristic
Transconductance	850 μ S	Published handbook characteristic
Filament voltage	1.4 V	DirectlyHeated DC filament
Filament current	50 mA	DirectlyHeated DC filament

1961 Tung Sol

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

1961 TUNG SOL

Section 1 · Pentode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Signal Plate Current	4 mA	TypicalOperation
Maximum Signal Screen Current	1.1 mA	TypicalOperation

TUBE TINKER

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