

ELECTRONIC TUBE REFERENCE

7B4

Voltage - Triode (single) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

General-purpose triode for amplification or electronic service as documented by the manufacturer.

GENERAL CHARACTERISTICS

BASE DESIGNATION	5AC	BASE PINS	8
NOMINAL HEATER	7 V / 320 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
PLATE RESISTANCE	66000 Ω
TRANSCONDUCTANCE	0.0015 S
AMPLIFICATION FACTOR	100
MAXIMUM PLATE VOLTAGE	200 V
Published promoted fields populated by semantic heading; identical repeated physical sections compressed.	

A single-ended high-mu Lock-In triode with characteristics and applications similar to the 6SF5GT.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1950 Sylvania

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

1950 SYLVANIA

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HeaterVoltageNominal	7 V	Nominal
HeaterCurrentNominal	320 mA	Nominal
Plate Voltage	250 V	ClassA



SOURCE OPERATING CONDITIONS

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195X General Electric Essential Characteristics

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195X GENERAL ELECTRIC ESSENTIAL CHARACTERISTICS

Section 1 · Triode

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Input capacitance	3.6 pF	Section1
Output capacitance	3.4 pF	Section1
Grid-to-plate capacitance	1.6 pF	Section1

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Typical plate voltage	250 V	ClassA
Typical grid voltage	-2 V	ClassA

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Typical plate current	0.9 mA	ClassA

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate resistance	66000 Ohm	Section1
Transconductance	1500 uS	Section1
Amplification factor	100	Section1


SOURCE DATA APPENDIX

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1961 Tung Sol

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1961 TUNG SOL

Section 1 · Triode

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid To Plate Capacitance	1.6 pF	—
Input Capacitance	3.6 pF	—
Output Capacitance	3.4 pF	—