ELECTRONIC TUBE REFERENCE

6GJ8

Voltage - Triode Pentode electronic tube

CONSOLIDATED TECHNICAL DATA
2 SECTIONS
CONSTRUCTION
PENTODE-TRIODE

> Sharp-cutoff pentode and medium-mu triode combination, with the pentode intended primarily as a television horizontal-deflection oscillator.

General characteristics

BASE DESIGNATION	–	**BASE PINS**	9
NOMINAL HEATER	6.3 V / 600 mA	**PARALLEL HEATER**	– / –
HEATING	Indirect	**SERIES OPERATION**	Not specified
CATHODE ARRANGEMENT	Separate cathodes	**SECTION CONSTRUCTION**	Dissimilar

Section ratings

SECTION1 Triode

PLATE RESISTANCE	5000 Ω
TRANSCONDUCTANCE	0.0085 S
AMPLIFICATION FACTOR	40
MAXIMUM PLATE VOLTAGE	330 V
MAXIMUM PLATE DISSIPATION	2.5 W

Published section data extracted from approved source.

SECTION2 Pentode

PLATE RESISTANCE	150000 Ω
TRANSCONDUCTANCE	0.0075 S
MAXIMUM PLATE VOLTAGE	330 V
MAXIMUM SCREEN VOLTAGE	330 V
MAXIMUM PLATE DISSIPATION	2.5 W
MAXIMUM SCREEN DISSIPATION	0.55 W

Published section data extracted from approved source.

Sharp-cutoff pentode and medium-mu triode; pentode intended primarily as a television horizontal-deflection oscillator.

SOURCE OPERATING CONDITIONS

1950 Sylvania

SOURCE PDF

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

1950 SYLVANIA

Section 2 · Pentode

OTHER		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
PlateVoltageTypical	**330 V**	Published operating/characteristic value
PlateCurrentTypical	**12 mA**	Published operating/characteristic value

SOURCE DATA APPENDIX

SOURCE OPERATING CONDITIONS

1961 Tung Sol

SOURCE PDF

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

1961 TUNG SOL

Section 1 · Triode

OTHER		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
Heater voltage	**6.3 V**	—
Heater current	**600 mA**	—
Plate voltage	**125126 V**	Typical operating conditions
Plate current	**13.512 mA**	Typical operating conditions

1961 TUNG SOL

Section 2 · Pentode

OTHER		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
Heater voltage	**6.3 V**	—
Heater current	**600 mA**	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	**125126 V**	Typical operating conditions
Plate current	**13.512 mA**	Typical operating conditions

SOURCE OPERATING CONDITIONS

SOURCE PDF

1966 Tung Sol Electronic Tubes 2 of 4

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

1966 TUNG SOL ELECTRONIC TUBES 2 OF 4

Section 1 · Triode

CAPACITANCE

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-to-plate capacitance	**2.6 pF**	WithoutShield
Input capacitance	**3.4 pF**	WithoutShield
Output capacitance	**1.6 pF**	WithoutShield

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	**125 V**	ClassA
Grid #1 voltage	**-1 V**	ClassA
Plate current	**13.5 mA**	ClassA
Heater warm-up time	**11 s**	BothSections

1966 TUNG SOL ELECTRONIC TUBES 2 OF 4

Section 2 · Pentode

CAPACITANCE

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid #1-to-plate capacitance	**0.036 pF**	WithoutShield
Input capacitance	**8 pF**	WithoutShield
Output capacitance	**2.4 pF**	WithoutShield

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	**125 V**	ClassA

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Screen voltage	**125 V**	ClassA
Grid #1 voltage	**-2 V**	ClassA
Plate current	**12 mA**	ClassA
Screen current	**4.5 mA**	ClassA
Peak negative grid #1 voltage	**175 V**	HorizontalDeflectionOscillator
Peak cathode current	**330 mA**	HorizontalDeflectionOscillator

Tube Tinker

An independent reference for electronic tubes, vacuum tubes, and their source documents.

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