



ELECTRONIC TUBE REFERENCE

XXL

Voltage - Triode (single) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

General-purpose triode amplifier.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	6
NOMINAL HEATER	6.3 V / 300 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
PLATE RESISTANCE	7000 Ω
TRANSCONDUCTANCE	0.0036 S
AMPLIFICATION FACTOR	24
<i>Promoted from the first published Class A1 operating point: plate 100 V, grid 0 V, plate current 10 mA.</i>	

Triode amplifier with a unipotential cathode; the sheet publishes two Class A1 operating points and direct interelectrode capacitances.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

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 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage	6.3 V	ClassA1
Heater Current	300 mA	ClassA1
Plate Voltage	100 V	ClassA1;OperatingPoint1
Control Grid Voltage	0 V	ClassA1;OperatingPoint1
Plate Voltage	250 V	ClassA1;OperatingPoint2
Control Grid Voltage	-8 V	ClassA1;OperatingPoint2

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Current	10 mA	ClassA1;OperatingPoint1
Plate Resistance	7000 ohm	ClassA1;OperatingPoint1
Transconductance	3600 uS	ClassA1;OperatingPoint1
Amplification Factor	24	ClassA1;OperatingPoint1
Plate Current	8 mA	ClassA1;OperatingPoint2
Plate Resistance	8700 ohm	ClassA1;OperatingPoint2
Transconductance	2300 uS	ClassA1;OperatingPoint2
Amplification Factor	20	ClassA1;OperatingPoint2

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
ControlGridToCathodeCapacitance	3.4 pF	—
Plate To Cathode Capacitance	2.6 pF	—
Grid To Plate Capacitance	2 pF	—

TUBE TINKER

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