



ELECTRONIC TUBE REFERENCE

6C10

Voltage - Triple Triode electronic tube

CONSOLIDATED TECHNICAL DATA

3 SECTIONS

CONSTRUCTION

TRIODE-TRIODE-TRIODE

Compact triple high-mu triode with independent cathode, grid, and plate connections for all three sections.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	12
NOMINAL HEATER	6.3 V / 550 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
PLATE RESISTANCE	62500 Ω
TRANSCONDUCTANCE	0.0016 S
AMPLIFICATION FACTOR	100
MAXIMUM PLATE VOLTAGE	330 V
MAXIMUM PLATE DISSIPATION	1 W
Each identical triode; total all-plate dissipation 3 W	

SECTION2 Triode	
PLATE RESISTANCE	62500 Ω
TRANSCONDUCTANCE	0.0016 S
AMPLIFICATION FACTOR	100
MAXIMUM PLATE VOLTAGE	330 V
MAXIMUM PLATE DISSIPATION	1 W
<i>Compact triple high-mu triode with separate cathode, grid and plate connections for all three sections.</i>	

SECTION3 Triode	
PLATE RESISTANCE	62500 Ω
TRANSCONDUCTANCE	0.0016 S
AMPLIFICATION FACTOR	100
MAXIMUM PLATE VOLTAGE	330 V
MAXIMUM PLATE DISSIPATION	1 W
<i>Compact triple high-mu triode with separate cathode, grid and plate connections for all three sections.</i>	

Compact triple high-mu triode with separate cathode, grid and plate connections for all three sections.

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	—
Heater current	600 mA	—
Plate voltage	100250 V	Typical operating conditions
Plate current	0.51.2 mA	Typical operating conditions

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1966 Tung Sol Electronic Tubes 1 of 4

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

1966 TUNG SOL ELECTRONIC TUBES 1 OF 4

Section 1 · Triode

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
GRID TO PLATE (EACH SECTION)	1.7 pF	Capacitances GRID TO PLATE (EACH SECTION) 1.7 pf
OUTPUT (SECTION i)	0.3 pF	Capacitances OUTPUT (SECTION i) 0.30 pf
Grid-to-plate capacitance	1.7 pF	Section1
Input capacitance	1.6 pF	Section1
Output capacitance	0.3 pF	Section1

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HEATER VOLTAGE b	6 V	Maximum Ratings HEATER VOLTAGE b.3f0.6 VOLTS
Plate voltage	100 V	ClassA
Grid voltage	-1 V	ClassA
Plate current	0.5 mA	PlateVoltage=100V
Plate voltage	250 V	ClassA
Grid voltage	-2 V	ClassA
Plate current	1.2 mA	PlateVoltage=250V

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
PLATE RESISTANCE HO 000	500 ohm	ClassA PLATE RESISTANCE HO 000 62 500 OHMS
Amplification factor	100	—
Plate resistance	80000 ohm	PlateVoltage=100V
Transconductance	1250 uS	PlateVoltage=100V
Plate resistance	62500 ohm	PlateVoltage=250V
Transconductance	1600 uS	PlateVoltage=250V
Heater warm-up time	11 s	—

1966 TUNG SOL ELECTRONIC TUBES 1 OF 4

Section 2 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	100 V	ClassA
Grid voltage	-1 V	ClassA
Plate current	0.5 mA	PlateVoltage=100V
Plate voltage	250 V	ClassA
Grid voltage	-2 V	ClassA
Plate current	1.2 mA	PlateVoltage=250V

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Amplification factor	100	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate resistance	80000 ohm	PlateVoltage=100V
Transconductance	1250 uS	PlateVoltage=100V
Plate resistance	62500 ohm	PlateVoltage=250V
Transconductance	1600 uS	PlateVoltage=250V

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-to-plate capacitance	1.7 pF	Section2
Input capacitance	1.6 pF	Section2
Output capacitance	0.2 pF	Section2

1966 TUNG SOL ELECTRONIC TUBES 1 OF 4

Section 3 · Triode

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
OUTPUT (SECTION	0.34 pF	Capacitances OUTPUT (SECTION 3) 0.34 pf
Grid-to-plate capacitance	1.7 pF	Section3
Input capacitance	1.6 pF	Section3
Output capacitance	0.34 pF	Section3

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	100 V	ClassA
Grid voltage	-1 V	ClassA
Plate current	0.5 mA	PlateVoltage=100V
Plate voltage	250 V	ClassA
Grid voltage	-2 V	ClassA
Plate current	1.2 mA	PlateVoltage=250V

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Amplification factor	100	—
Plate resistance	80000 ohm	PlateVoltage=100V
Transconductance	1250 uS	PlateVoltage=100V
Plate resistance	62500 ohm	PlateVoltage=250V

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transconductance	1600 μ S	PlateVoltage=250V



SOURCE DATA APPENDIX

SOURCE OPERATING CONDITIONS

SOURCE PDF

1968 General Electric Co

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

1968 GENERAL ELECTRIC CO
Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Total Plate Dissipation All Plates	3 W	AllSections