



ELECTRONIC TUBE REFERENCE

7236

Power - Triode electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

TRIODE-TRIODE

Long-life low-mu double triode designed particularly as a computer power amplifier. Each section combines high transconductance, substantial current capability, and moderate plate dissipation for dependable continuous operation in computer and control equipment.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 2.4 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
TRANSCONDUCTANCE	0.0125 S
AMPLIFICATION FACTOR	4.8
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM PLATE DISSIPATION	15 W
MAXIMUM CATHODE CURRENT	190 mA
Representative row for electrically identical repeated sections.	

SECTION2 Triode	
TRANSCONDUCTANCE	0.0125 S
AMPLIFICATION FACTOR	4.8
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM PLATE DISSIPATION	15 W
MAXIMUM CATHODE CURRENT	190 mA

THE 7236 IS A LOW MU DOUBLE TRIODE INTENDED FOR LONG LIFE SERVICE AS A



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
Service	Computer power amplifier	—
Plate Voltage	120 V	EachTriode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Current	100 mA	EachTriode

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Input Capacitance	9 pF	EachUnit
Grid To Plate Capacitance	10 pF	EachUnit



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1966 Tung Sol Electronic Tubes 4 of 4

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

1966 TUNG SOL ELECTRONIC TUBES 4 OF 4

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	6.3 V	Nominal
Heater current	2.4 A	Nominal

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate voltage	300 V	Promoted published value
Maximum plate dissipation	15 W	Promoted published value
Maximum cathode current	190 mA	Promoted published value
HEATER VOLTAGE	3 V	RATINGS
MAXIMUM PLATE VOLTAGE 300 VOLTS	3 V	RATINGS
MAXIMUM PLATE CURRENT PER PLATE 190 MA.	19 mA	RATINGS
MAXIMUM PLATE DISSIPATION PER PLATE	15 W	RATINGS
MAXIMUM GRID RESISTANCE	0.25 mA	RATINGS
MAXIMUM BULB TEMPERATURE A	150 mA	RATINGS
MAXIMUM POSITIVE GRID VOLTAGE +1 VOLT	1 mA	RATINGS
MAXIMUM NEGATIVE GRID VOLTAGE	100 V	RATINGS
MAXIMUM HEATER –CATHODE VOLTAGE	100 V	RATINGS
HEATER VOLTAGE 6.315% VOLTS	6.315 V	TypICAL OPERATING CONDITIONS AND CHARACTERISTICS
HEATER CURRENT	2.4 A	TypICAL OPERATING CONDITIONS AND CHARACTERISTICS
PLATE VOLTAGE 120 60 150 VOLTS	15 V	TypICAL OPERATING CONDITIONS AND CHARACTERISTICS
DC GRID VOLTAGE -14 0	-24 V	TypICAL OPERATING CONDITIONS AND CHARACTERISTICS
PLATE CURRENT 100 150 60 MA.	6 mA	TypICAL OPERATING CONDITIONS AND CHARACTERISTICS
AMPLIFICATION FACTOR 4,B ____ —	4 A	TypICAL OPERATING CONDITIONS AND CHARACTERISTICS

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transconductance	12500 uS	Promoted published value
Amplification factor	4.8	Promoted published value