



ELECTRONIC TUBE REFERENCE

2E22

Power - Pentode (NOT beam) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
PENTODE

Power pentode designed primarily for Class-C radio-frequency transmitting, amplifier, oscillator, or modulated RF service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	5
NOMINAL HEATER	6.3 V / 1.5 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Pentode	
MAXIMUM PLATE VOLTAGE	750 V
MAXIMUM SCREEN VOLTAGE	250 V
MAXIMUM PLATE DISSIPATION	30 W
MAXIMUM SCREEN DISSIPATION	10 W
MAXIMUM CATHODE CURRENT	110 mA
<i>Directly heated power pentode for Class-C RF amplifier and oscillator service.</i>	

Directly heated power pentode for Class-C RF amplifier and oscillator service.



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 · Pentode

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid To Plate Capacitance	0.2 pF	WithShield
Input Capacitance	15 pF	—
Output Capacitance	8 pF	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Power Output	30 W	ClassC



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 · Pentode

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
PLATE MITTENT OpEP ATION TO AS nIGX AS	5.5 V	Capacitances PLATE MITTENT OpEP ATION TO AS nIGX AS 1.0 OR AS LOW AS 5.5 VOLTS IS PER MISSI BI E.

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
SCREEN VOLTAGE	250 V	ClassC SCREEN VOLTAGE 250 250 250 250 voLTs

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
SCREEN CURRENT	16 mA	ClassC SCREEN CURRENT 16 16 16 16 MA.
CONTROL GRID RESISTOR C	0 ohm	ClassC CONTROL GRID RESISTOR C 10 000 10 000 10 000 10 000 OHMS
PEAK R-F GRID VOLTAGE ~APPROX.~	100 V	ClassC PEAK R-F GRID VOLTAGE ~APPROX.~ 100 100 100 100 VOLTS
PLATE VOLTAGE	750 V	ClassC PLATE VOLTAGE 500 750 VOLTS
SCREEN VOLTAGE	250 V	ClassC SCREEN VOLTAGE 250 250 VOLTS
SCREEN RESISTOR	0 ohm	ClassC SCREEN RESISTOR 8 500 17 000 OHMS
SUPPRESSOR VOLTAGE	-90 V	ClassC SUPPRESSOR VOLTAGE -65 -90 VOLTS
PEAK R-F GRID VOLTAGE	100 V	ClassC PEAK R-F GRID VOLTAGE 100 100 VOLTS
PLATE CURRENT	55 mA	ClassC PLATE CURRENT 50 55 MA.
SCREEN CURRENT ~APPROX.~	29 mA	ClassC SCREEN CURRENT ~APPROX.~ 29 29 MA.
CONTROL GRID CURRENT ~APPROX.~	6.5 mA	ClassC CONTROL GRID CURRENT ~APPROX.~ 6.5 6.5 MA.
CONTROL GRID RESISTOR C	0 ohm	ClassC CONTROL GRID RESISTOR C 10 000 10 000 OHMS
GRID DRIVING POWER ~APPROX.~	0.6 W	ClassC GRID DRIVING POWER ~APPROX.~ 0.6 0.6 WATT
POWER OUTPUT ~APPROX.~	16.5 W	ClassC POWER OUTPUT ~APPROX.~ 10.5 16.5 WATTS
VOLTAGE E%CEE	500 V	ClassC VOLTAGE E%CEE05 500 VOLTS.

TUBE TINKER

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