



ELECTRONIC TUBE REFERENCE

2EA5

Voltage - Tetrode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TETRODE

Sharp-cutoff screen-grid tetrode intended primarily for RF voltage amplification, providing high gain with comparatively abrupt cutoff characteristics.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	7
NOMINAL HEATER	2.4 V / 600 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Tetrode	
PLATE RESISTANCE	150000 Ω
TRANSCONDUCTANCE	0.008 S
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM SCREEN VOLTAGE	150 V
MAXIMUM PLATE DISSIPATION	3.25 W
MAXIMUM SCREEN DISSIPATION	0.5 W
MAXIMUM CATHODE CURRENT	20 mA
Series-heater tetrode for high-voltage RF amplifier service.	

Series-heater tetrode for high-voltage RF amplifier 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 · Tetrode

CAPACITANCE

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid To Plate Capacitance	0.05 pF	WithShield
Input Capacitance	4.5 pF	WithShield
Output Capacitance	3 pF	WithShield

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Voltage	250 V	—
Screen Voltage	140 V	—

CHARACTERISTIC

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Current	10 mA	—



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 · Tetrode

CAPACITANCE

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
GRID TO PLATE (G	0.06 MMF	Capacitances GRID TO PLATE (G1 TO P) (MAX.) 0.05 0.06 µF

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HEATER VOLTAGE	2.4 V	Maximum Ratings HEATER VOLTAGE 2.4 2.4 2.4 VOLTS
MAXIMUM PLATE DISSIPATION j	3.25 W	Maximum Ratings MAXIMUM PLATE DISSIPATION j.29 3.25 3.25 WATTS
MAXIMUM GRID #	5 W	Maximum Ratings MAXIMUM GRID #2 DISSIPATION 0.5 0.5 0.5 WATTS
HEATER WARM- UP TIME (APPROX.) '	11 s	Maximum Ratings HEATER WARM- UP TIME (APPROX.)' 11.0 11.0 11.0 SECONDS
HEATER VOLTAGE	2.4 V	Typical Operating Conditions HEATER VOLTAGE 2.4 2.4. 2.4 VOLTS
GRID #	140 V	Typical Operating Conditions GRID #2 VOLTAGE 140 140 140 VOLTS
GRID #	0.95 mA	Typical Operating Conditions GRID #2 CURRENT 0.95 0.95 0.95 MA.

TUBE TINKER

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