



ELECTRONIC TUBE REFERENCE

2FV6

Voltage - Tetrode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TETRODE

VHF tetrode designed as the RF amplifier in television tuners, providing high-frequency gain with controlled cutoff characteristics for front-end receiver service.

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	100000 Ω
TRANSCONDUCTANCE	0.008 S
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM SCREEN VOLTAGE	180 V
MAXIMUM PLATE DISSIPATION	4.5 W
MAXIMUM SCREEN DISSIPATION	0.5 W
MAXIMUM CATHODE CURRENT	20 mA
MAXIMUM HEATER-CATHODE VOLTAGE	200 V
WARM-UP TIME	11 s
<i>Published promoted fields populated from Maximum Ratings / Characteristics / Typical Operation headings.</i>	

Frame-grid tetrode for VHF television-tuner 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

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Voltage	125 V	ClassA1
Screen Voltage	80 V	ClassA1

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transconductance	8000 μ S	ClassA1
Plate Resistance	100000 ohm	ClassA1



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

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HEATER VOLTAGE	2.4 V	ClassA HEATER VOLTAGE 2.4 VOLTS
FOR GRID #	0 V	ClassA FOR GRID #2 VOLTAGES UP TO q0 VOLTS 0.5 WAT7
FOR GRID #	180 V	ClassA FOR GRID #2 VOLTAGES BETWEEN 90 h 180 VOLTS SEE FIG.#3
GRID #	5 Mohm	ClassA GRID #1 CIRCUIT RESISTANCE 0.5 MEGOHM

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HEATER WARM—UP TIME IAPPROX.) * ~	1 s	ClassA HEATER WARM—UP TIME IAPPROX.) * ~.1.0 SECONDS
HEATER VOLTAGE Z	4 V	ClassA HEATER VOLTAGE Z.4 VOLTS
PLATE VOLTAGE ZZ	5 V	ClassA PLATE VOLTAGE ZZ5 VOLTS
PLATE RESISTANCE (APPROX.) 0	1 Mohm	ClassA PLATE RESISTANCE (APPROX.) 0.1 MEGOHM
GRID #	1.5 mA	ClassA GRID #2 CURRENT 1.5 MA.
FOR PLATE CURRENT OF	-6 V	ClassA FOR PLATE CURRENT OF 20 μ A. -6 VOLTS

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
MAXIMUM PLATE VOLTAGE	275 V	ClassA MAXIMUM PLATE VOLTAGE 275 VOLTS

TUBE TINKER

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