

ELECTRONIC TUBE REFERENCE

2FQ5

Voltage - Triode (single high frequency) electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
TRIODE

High-mu VHF RF amplifier triode for low-voltage television-tuner service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	7
NOMINAL HEATER	2.3 V / 600 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
PLATE RESISTANCE	5500 Ω
TRANSCONDUCTANCE	0.011 S
AMPLIFICATION FACTOR	60
MAXIMUM PLATE VOLTAGE	200 V
MAXIMUM PLATE DISSIPATION	2.5 W
MAXIMUM CATHODE CURRENT	22 mA
MAXIMUM HEATER-CATHODE VOLTAGE	100 V
WARM-UP TIME	11 s
Published promoted fields populated from Maximum Ratings / Characteristics / Typical Operation headings.	

High-mu VHF RF amplifier triode for low-voltage television-tuner 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 · Triode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transconductance	11000 μ S	ClassA1
Amplification Factor	60	ClassA1
Plate Resistance	5500 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 · Triode

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
GRID TO PLATE	0.4 MMF	Capacitances GRID TO PLATE 0.4 μ mf
HEATER TO CATHODE	2.8 MMF	Capacitances HEATER TO CATHODE 2.8 μ mf

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HEATER VOLTAGED	2.3 A	Maximum Ratings HEATER VOLTAGED 2.3A . VOLTS
MAXIMUM PLATE DISSIPATION	2.5 W	Maximum Ratings MAXIMUM PLATE DISSIPATION 2.5 WATTS
MAXIMUM NEGATIVE GRID VOLTAGE	50 V	Maximum Ratings MAXIMUM NEGATIVE GRID VOLTAGE 50 VOLTS

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HEATER WARM— UP TIME (AP PROX.)*	11 s	Maximum Ratings HEATER WARM— UP TIME (AP PROX.)* 11.0 SECONDS

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HEATER VOLTAGE D	2.3 A	ClassA HEATER VOLTAGE D 2.3A VOLTS
HEATER CURRENT D	601.04 A	ClassA HEATER CURRENT D 0.601.04 AMP.
PLATE VOLTAGE	135 V	ClassA PLATE VOLTAGE 135 voLTs
GRID VOLTAGE —	1.2 V	ClassA GRID VOLTAGE —1.2 VOLTS
PLATE CURRENT	11.5 mA	ClassA PLATE CURRENT 11.5 MA•
TRANSCONDUCTANCE	0 MMHOS	ClassA TRANSCONDUCTANCE 11 000 μMHOS
PLATE RESISTANCE (APPROX.)	500 ohm	ClassA PLATE RESISTANCE (APPROX.) 5 500 OHMS

TUBE TINKER

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