



ELECTRONIC TUBE REFERENCE

3FH5

Voltage - Triode (single high frequency) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
TRIODE

High-transconductance miniature triode for VHF RF-amplifier service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	7
NOMINAL HEATER	3 V / 450 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
PLATE RESISTANCE	5600 Ω
TRANSCONDUCTANCE	0.009 S
AMPLIFICATION FACTOR	50
MAXIMUM PLATE VOLTAGE	150 V
MAXIMUM PLATE DISSIPATION	2.2 W
MAXIMUM CATHODE CURRENT	22 mA
<i>Promoted values are from the supplied Westinghouse family sheet; additional published ratings, characteristics and operating points are retained in TUBE_SECTION_PARAMETER.</i>	

High-transconductance miniature triode for VHF 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 · Triode

CAPACITANCE

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
GRID TO PLATE: G TO P (MAX.) (ROGEY) — 0.52 —*	0.52 PF	Published datasheet value
INPUT: G TO (H+K+(.S.) 3.2	3.2 PF	Published datasheet value

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
MAXIMUM PLATE VOLTAGE	150 VOLTS	Published datasheet value
MAXIMUM DC CATHODE CURRENT	22 MA	Published datasheet value
HEATER WARM-UP TIME (APPROX.) *	11 SECONDS	Published datasheet value
PLATE VOLTAGE	135 VOLTS	Published datasheet value
GRID VOLTAGE	-1 VOLT	Published datasheet value



SOURCE OPERATING CONDITIONS

1965 Sylvania Electronic Tubes Vol3

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

1965 SYLVANIA ELECTRONIC TUBES VOL3

Section 1 · Triode

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	135 V	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid voltage	-1 V	—
Plate current	11 mA	—

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate resistance	5600 Ohm	—
Transconductance	9000 uS	—
Amplification factor	50 ratio	—
Control-grid cutoff voltage	-5.5 V	—


SOURCE DATA APPENDIX

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

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	135 V	VHFRFAmplifier
Plate current	11 mA	VHFRFAmplifier
Application	High-frequency RF amplifier	Section1

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate resistance	5600 Ω	Section1
Transconductance	9000 μS	Section1
Amplification factor	50	Section1
Grid voltage at 100 uA plate current	-5.5 V	Section1
Heater warm-up time	11 s	Section1

TUBE TINKER

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and their source documents.

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