

ELECTRONIC TUBE REFERENCE

6CH7

Voltage - Dual Triode (similar high frequency) electronic tube

CONSOLIDATED TECHNICAL DATA
2 SECTIONS
CONSTRUCTION
TRIODE-TRIODE

Medium-mu twin triode designed primarily as a cascode RF amplifier in VHF television tuners, providing high-frequency gain for receiver front ends.

GENERAL CHARACTERISTICS

BASE DESIGNATION	9FC	BASE PINS	9
NOMINAL HEATER	6.3 V / 400 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
PLATE RESISTANCE	5300 Ω
TRANSCONDUCTANCE	0.0068 S
AMPLIFICATION FACTOR	36
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM PLATE DISSIPATION	2.6 W
MAXIMUM CATHODE CURRENT	20 mA
Representative row for two essentially equivalent triode sections; section-specific capacitances preserved in parameters.	

SECTION2 Triode	
PLATE RESISTANCE	5300 Ω
TRANSCONDUCTANCE	0.0068 S
AMPLIFICATION FACTOR	36
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM PLATE DISSIPATION	2.6 W
MAXIMUM CATHODE CURRENT	20 mA
<i>Second physical triode section; electrically identical twin section.</i>	

Medium-mu twin triode designed primarily as a cascode RF amplifier in VHF television tuners.



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

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	6.3 V	—
Heater current	400 mA	—
Plate voltage	150 V	Typical operating conditions
Plate current	10 mA	Typical operating conditions



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1966 Tung Sol Electronic Tubes 2 of 4

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

1966 TUNG SOL ELECTRONIC TUBES 2 OF 4

Section 1 · Triode

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-to-plate capacitance	1.1 pF	Section1
Input capacitance	2.4 pF	Section1
Output capacitance	0.8 pF	Section1
Heater-to-cathode capacitance	2.8 pF	Section1
Heater-to-cathode capacitance	2.8 pF	Section2
Grid-to-grid capacitance	0.15 pF	BetweenSections
Plate-to-plate capacitance	0.015 pF	BetweenSections

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	150 V	ClassA;EachSection
Cathode bias resistor	220 ohm	ClassA;EachSection
Plate current	10 mA	ClassA;EachSection

TUBE TINKER

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and their source documents.

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