



ELECTRONIC TUBE REFERENCE

5676

Voltage - Triode (single high frequency) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
TRIODE

5676 directly heated 1.25 V 120 mA subminiature VHF oscillator triode for operation up to approximately 350 MHz, with four flexible leads.

GENERAL CHARACTERISTICS

BASE DESIGNATION	5676	BASE PINS	5
NOMINAL HEATER	1.25 V / 120 mA	PARALLEL HEATER	– / –
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
TRANSCONDUCTANCE	0.0016 S
AMPLIFICATION FACTOR	15
MAXIMUM PLATE VOLTAGE	135 V
MAXIMUM CATHODE CURRENT	10 mA
<p>Raytheon CK5676 and Tung-Sol 5676. Directly heated filament 1.25 V 0.12 A. Typical Class A at V_a 135 V V_g -5 V I_a 4 mA: gm 0.0016 A/V, μ 15. Tung-Sol design-center max plate 135 V, plate current 10 mA; Raytheon absolute max 150 V, plate current 11 mA. Scalar max_plate_voltage 135 V retains design-center system. VHF oscillator 100–350 MHz: V_a 135 V, grid leak 10 kΩ, grid current 150–500 μA, plate current 9 mA. Cgp 2.0 pF, Cgf 1.3 pF, Cpf 4.0 pF (Tung-Sol shielded); Raytheon Cgp 1.4, Cgf 1.3/1.2, Cpf 3.4/1.9 pF shielded/unshielded. Four leads: 1 plate, 2 filament -, 3 grid, 4 filament +. No rp published.</p>	

Directly heated subminiature triode for RF oscillator service.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

195X General Electric Essential Characteristics

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

195X GENERAL ELECTRIC ESSENTIAL CHARACTERISTICS

Section 1 · Triode

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Input Capacitance	1.3 pF	—
Output Capacitance	4 pF	—
Grid-to-Plate Capacitance	2 pF	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Voltage	135 V	ClassA
Grid Voltage	-5 V	ClassA
Plate Current	4 mA	ClassA



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	1.25 V	Nominal
Heater current	120 mA	Nominal

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	135 V	Published operating table; OperatingPoint1
Plate voltage	135 V	Published operating table; OperatingPoint1
Plate voltage	135 V	Published operating table; OperatingPoint1

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate current	10 mA	Published operating table; OperatingPoint1
Plate current	9 mA	Published operating table; OperatingPoint1
Transconductance	1 uS	Published operating table; OperatingPoint1
Transconductance	600 uS	Published operating table; OperatingPoint2



SOURCE OPERATING CONDITIONS

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1966 Tung Sol Electronic Tubes 3 of 4

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1966 TUNG SOL ELECTRONIC TUBES 3 OF 4

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	135 V	ClassA
Plate current	9 mA	ClassA

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transconductance	1000 uS	ClassA
Amplification factor	15	ClassA

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-to-plate capacitance	2.6 pF	—



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1968 Mazda Belvu

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

1968 MAZDA BELVU

Section 1 · Triode

APPLICATION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Application	RF0scillator text	—

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and their source documents.

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