



ELECTRONIC TUBE REFERENCE

3DZ4

Voltage - Triode (single high frequency) electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
TRIODE

Medium-mu miniature triode designed for UHF oscillator service to approximately 1 GHz.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	7
NOMINAL HEATER	3.2 V / 450 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
PLATE RESISTANCE	2000 Ω
TRANSCONDUCTANCE	0.0067 S
AMPLIFICATION FACTOR	14
MAXIMUM PLATE VOLTAGE	135 V
MAXIMUM PLATE DISSIPATION	2.3 W
MAXIMUM CATHODE CURRENT	20 mA
Sparse-source exception: this sheet does not reproduce the electrical ratings/characteristics of 6DZ4; no external values imported.	

Medium-mu miniature triode designed for UHF oscillator service to about 1 GHz.



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	1.8 PF	Published datasheet value
INPUT: GT0 (H+K+E.S.)	2.2 PF	Published datasheet value

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
PLATE VOLTAGE	135 VOLTS	Published datasheet value
NEGATIVE GRID VOLTAGE	50 VOLTS	Published datasheet value
CATHODE CURRENT	20 MA	Published datasheet value
PLATE CURRENT	15 MA	Published datasheet value
PLATE CURRENT	15.5 MA	Published datasheet value



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 capacitance	1.8 pF	Section1
Input capacitance	2.2 pF	Section1
Output capacitance	1.3 pF	Section1

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate supply voltage	80 V	ClassA
Plate dropping resistor	2700 Ω	ClassA
Plate current	15 mA	ClassA
Oscillator frequency	1000 MHz	UHF Oscillator

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transconductance	6700 μS	Section1
Amplification factor	14	Section1
Plate resistance	2000 Ω	Section1
Heater warm-up time	11 s	Section1


SOURCE DATA APPENDIX

SOURCE OPERATING CONDITIONS

1968 General Electric Co

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

1968 GENERAL ELECTRIC CO

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater warm-up time	11 s	—

TUBE TINKER

An independent reference for electronic tubes, vacuum tubes, and their source documents.

[Catalog](#)
[Tube types](#)
[Full books](#)
[Blog](#)
[Feedback & corrections](#)

© 2026 Tube Tinker