



ELECTRONIC TUBE REFERENCE

6S8GT

Voltage - Triode (with diode, heptode or hexode) electronic tube

CONSOLIDATED TECHNICAL DATA

4 SECTIONS

CONSTRUCTION

**DIODE-DIODE-DIODE-
TRIODE**

Triple-diode very-high-mu triode for multiple detector, discriminator, and control-voltage functions followed by voltage amplification. Three diode sections permit independent rectification while the triode provides substantial gain.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	9
NOMINAL HEATER	6.3 V / 300 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Dissimilar

SECTION RATINGS

SECTION1 Triode	
PLATE RESISTANCE	110000 Ω
TRANSCONDUCTANCE	0.0009 S
AMPLIFICATION FACTOR	100
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM PLATE DISSIPATION	0.5 W

SECTION2 Diode	
No fixed ratings recorded.	

SECTION3 Diode	
No fixed ratings recorded.	

SECTION4 Diode

No fixed ratings recorded.

The 6S8GT is a DiodesTriode intended for AM/FM detector service. Published ratings, characteristics and typical operating data from the supplied datasheet were captured.

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	300 mA	—
Plate voltage	300 V	Typical operating conditions
Plate current	0.40.9 mA	Typical operating conditions

1961 TUNG SOL

Section 2 · Diode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	6.3 V	—
Heater current	300 mA	—
Plate voltage	300 V	Typical operating conditions
Plate current	0.40.9 mA	Typical operating conditions

1961 TUNG SOL

Section 3 · Diode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	6.3 V	—
Heater current	300 mA	—
Plate voltage	300 V	Typical operating conditions
Plate current	0.40.9 mA	Typical operating conditions

1961 TUNG SOL

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	6.3 V	—
Heater current	300 mA	—
Plate voltage	300 V	Typical operating conditions
Plate current	0.40.9 mA	Typical operating conditions



SOURCE DATA APPENDIX

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

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	250 V	ClassA

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transconductance	1100 μ S	ClassA
Plate resistance	91000 ohm	ClassA
Amplification factor	100	ClassA

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Input capacitance	3 pF	Section1
Output capacitance	3 pF	Section1

1966 TUNG SOL ELECTRONIC TUBES 2 OF 4

Section 2 · Diode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Detector service	—	Detector

1966 TUNG SOL ELECTRONIC TUBES 2 OF 4

Section 3 · Diode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Detector service	—	Detector

1966 TUNG SOL ELECTRONIC TUBES 2 OF 4

Section 4 · Diode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Detector service	—	Detector

TUBE TINKER

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and their source documents.

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