



ELECTRONIC TUBE REFERENCE

7258

Voltage - Radio Detector Converter electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

PENTODE-TRIODE

Combined triode-pentode for oscillator, mixer, frequency-converter, RF, or IF service in television, communications, or mobile receivers.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	9
NOMINAL HEATER	13.5 V / 210 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Dissimilar

SECTION RATINGS

SECTION1 Triode	
PLATE RESISTANCE	4700 Ω
TRANSCONDUCTANCE	0.0045 S
AMPLIFICATION FACTOR	21
MAXIMUM PLATE VOLTAGE	330 V
MAXIMUM PLATE DISSIPATION	2.8 W
<i>Published source values promoted where applicable; additional source values retained as parameters.</i>	

SECTION2 Pentode	
PLATE RESISTANCE	170000 Ω
TRANSCONDUCTANCE	0.0078 S
MAXIMUM PLATE VOLTAGE	330 V
MAXIMUM SCREEN VOLTAGE	330 V
MAXIMUM PLATE DISSIPATION	2.3 W
MAXIMUM SCREEN DISSIPATION	0.55 W
<i>Published source values promoted where applicable; additional source values retained as parameters.</i>	

The 7258 combines an independent medium-mu triode and sharp-cutoff pentode; the triode serves oscillator or general amplification duties while the pentode is intended for RF, IF or reactance service in mobile equipment.



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
Plate Voltage	150 V	TriodeSection
Service	Low-frequency oscillator or general-purpose amplifier —	

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Current	15 mA	TriodeSection

1961 TUNG SOL

Section 2 · Pentode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Voltage	125 V	PentodeSection
Screen Voltage	125 V	PentodeSection
Service	RF / IF / reactance-tube amplifier —	

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Current	12 mA	PentodeSection
Screen Current	3.8 mA	PentodeSection



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
Heater voltage range	12 to 15 V	—
Heater-cathode voltage maximum heater negative	200 V	—
Heater-cathode voltage maximum heater positive DC	100 V	—
Triode plate voltage maximum	530 V	—
Pentode plate voltage maximum	330 V	—
Pentode grid2 dissipation maximum	0.55 W	—

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater current at 13.5 V	210 mA	—
Triode transconductance	4500 μ S	—
Pentode transconductance	7800 μ S	—

APPLICATION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Application	Mobile communications triode-pentode	—

1965 SYLVANIA ELECTRONIC TUBES VOL3

Section 2 · Pentode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Pentode transconductance	7800 μ S	—



1966 Tung Sol Electronic Tubes 4 of 4

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

1966 TUNG SOL ELECTRONIC TUBES 4 OF 4

Section 1 · Triode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-to-plate capacitance	1.5 pF	WholeTube
Input capacitance	2 pF	WholeTube
Output capacitance	1.5 pF	WholeTube
Grid 1 To Plate: Gl Top	0.04 pf	PublishedTable
Grid To Plate: G To P	1.5 pf	PublishedTable
Limits Of Applied Voltage	1 VOLTS	PublishedTable
Heater Negative With Respect To Cathode	200 VOLTS	PublishedTable
Plate Voltage	330 VOLTS	PublishedTable
Grid 2 Supply Voltage	330 VOLTS	PublishedTable
Positive Grid 1 Voltage	0 VOLTS	PublishedTable
Plate Dissipation	2.3 WATTS	PublishedTable
Grid 2 Dissipation	0.55 WATTS	PublishedTable
Fixed Bias	0.25 MEGOHM	PublishedTable
Cathode 81 As	1 MEGOHM	PublishedTable

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	150 V	WholeTube
Grid 1 voltage	-3 V	WholeTube

1966 TUNG SOL ELECTRONIC TUBES 4 OF 4

Section 2 · Pentode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid 1 to plate capacitance	0.04 pF	WholeTube
Input capacitance	7 pF	WholeTube

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Output capacitance	2.4 pF	WholeTube

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	125 V	WholeTube
Grid 2 voltage	125 V	WholeTube
Grid 2 current	3.8 mA	WholeTube

TUBE TINKER

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and their source documents.

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