



ELECTRONIC TUBE REFERENCE

6201

Voltage - Dual Triode (similar high frequency) electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

TRIODE-TRIODE

Special-quality high-frequency twin triode, industrial counterpart of the 12AT7 family, designed for long-life reliable amplifier and oscillator service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	E9-1	BASE PINS	9
NOMINAL HEATER	12.6 V / 150 mA	PARALLEL HEATER	6.3 V / 300 mA
HEATING	Indirect	SERIES OPERATION	Capable
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
PLATE RESISTANCE	10900 Ω
TRANSCONDUCTANCE	0.0055 S
AMPLIFICATION FACTOR	60
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM PLATE DISSIPATION	2.5 W
MAXIMUM CATHODE CURRENT	15 mA
Representative row for electrically identical repeated sections.	

SECTION2 Triode	
PLATE RESISTANCE	10900 Ω
TRANSCONDUCTANCE	0.0055 S
AMPLIFICATION FACTOR	60
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM PLATE DISSIPATION	2.5 W
MAXIMUM CATHODE CURRENT	15 mA
<i>Second physical triode restored.</i>	

Industrial high-mu twin triode for mixer, oscillator, and amplifier service to 300 MHz.



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1940 RCA

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1940 RCA

Section 1 · Triode

APPLICATION

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Application	Mixer_Oscillator_Amplifier text	—



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1957 Philips Receiving and Amplifying Tubes

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1957 PHILIPS RECEIVING AND AMPLIFYING TUBES

Section 1 · Triode

CHARACTERISTICS

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Frequency for Frequency Changer Service	300 MHz	—
Parallel Heater Voltage	6.3 V	—
Parallel Heater Current	300 mA	—
Series Heater Voltage	12.6 V	—
Series Heater Current	150 mA	—



1959 Telefunken

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1959 TELEFUNKEN

Section 1 · Triode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage	6.3 V	—
Heater Current	300 mA	—
EquivalentDesignation	ECC801S	—



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195X General Electric Essential Characteristics

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195X GENERAL ELECTRIC ESSENTIAL CHARACTERISTICS

Section 1 · Triode

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Input capacitance	2.5 pF	—
Output capacitance	0.45 pF	Section1
Grid-to-plate capacitance	1.6 pF	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	250 V	ClassA
Cathode-bias resistor	200 ohm	ClassA
Plate current	10 mA	ClassA
Plate voltage	100 V	ClassA

Characteristic		
Parameter	Published Value	Condition / Note
Plate resistance	10900 ohm	At250V
Transconductance	5500 uS	At250V
Amplification factor	60	At250V


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1960 RCA Industrial and Communications Types

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1960 RCA INDUSTRIAL AND COMMUNICATIONS TYPES

Section 1 · Triode

Characteristics		
Parameter	Published Value	Condition / Note
Heater Voltage	12.6 V	—
Heater Current	150 mA	—
Maximum Intended Frequency	300 MHz	MixerOscillatorAmplifier


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1961 Tung Sol

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1961 TUNG SOL

Section 1 · Triode

Other		
Parameter	Published Value	Condition / Note
ImpactAcceleration	600 g	—
Service	VHF grounded-grid amplifier or frequency converter	—



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1963 Amperex Condensed

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1963 AMPEREX CONDENSED

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	250 V	RFAmplifier;EachSection
Plate current	10 mA	RFAmplifier;EachSection
Cathode resistor	200 Ω	RFAmplifier;EachSection

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate resistance	10.9 k Ω	EachSection
Transconductance	5500 μ S	EachSection
Amplification factor	60	EachSection



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1963 Philips Electron Tubes Handbook V1

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1963 PHILIPS ELECTRON TUBES HANDBOOK V1

Section 1 · Triode

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-to-plate capacitance	1.6 pF	EachSection
Grid capacitance	2.5 pF	EachSection

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate capacitance	0.45 pF	EachSection

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	100 V	RFAmplifier;EachSection
Cathode resistor	270 Ω	RFAmplifier;EachSection
Plate current	3.3 mA	RFAmplifier;EachSection
Plate voltage	250 V	RFAmplifier;EachSection

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transconductance	4000 μ S	100VPlate
Plate resistance	14300 Ω	100VPlate
Amplification factor	57	100VPlate


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1963 Philips Electron Tubes Handbook V3

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1963 PHILIPS ELECTRON TUBES HANDBOOK V3

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Published electrical value	12.6 V	3)The maximum deviation of If at Vp = 12.6 V is $\pm$ 12 mA
Published electrical value	12 mA	3)The maximum deviation of If at Vp = 12.6 V is $\pm$ 12 mA
La deviation maximum de If a Vp	12.6 V	La deviation maximum de If a Vp = 12.6 V eat de $\pm$ 12 mA
La deviation maximum de If a Vp	12 mA	La deviation maximum de If a Vp = 12.6 V eat de $\pm$ 12 mA
Valeur maximum de V	0 mA	Valeur maximum de V0 a dtot eat environ 5%

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	12.6 V	of = 6.3 v2) Vf = 12.6 v2)
Heater current	300 mA	If = 300 mA If . = 150 mA3)

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-to-plate capacitance	1.6 pF	Cag = 1.6 ± 0.3 pF Cag = t.6
Grid capacitance	2.5 pF	Cg = 2.5 ' - 0.5 PF Cg = 1.5 p14)
Plate capacitance	0.45 pF	Ca =0.45 *0.25 pF Ca 1.2 p14)


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1966 Tung Sol Electronic Tubes 4 of 4

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1966 TUNG SOL ELECTRONIC TUBES 4 OF 4

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater/filament voltage	6.3 V	—
Heater/filament current	300 mA	—

APPLICATION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Application summary	Ruggedized VHF twin triode for grounded-grid and converter service.	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	250 V	—
Plate current	10 mA	—
Transconductance	5500 uS	—
Amplification factor	60	—



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1968 General Electric Co

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1968 GENERAL ELECTRIC CO

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
The GL	6201 C	—
Plate Voltage	300 V	—
Plate Dissipation t	2.5 W	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid Voltage approximate for I	10 uA	Class A, Amplifier-Each Section
With external shield No	315 C	Class A, Amplifier-Each Section
t With external shield No	315 C	Class A, Amplifier-Each Section
ETX	270 C	Class A, Amplifier-Each Section
PLATE VOLTAGE	250 V	Class A, Amplifier-Each Section
ALK BUTTON PIN	3 C	Class A, Amplifier-Each Section
MEASURED FROM BASE SEAT TO BULB-TOP LINE PIN	8 C	Class A, Amplifier-Each Section



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1971 RCA HB3 Binder 3 of 7

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1971 RCA HB3 BINDER 3 OF 7

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	6.3 V	Nominal
Heater current	300 mA	Nominal
Heater voltage series	12.6 V	Series
Heater current series	150 mA	Series
Heater voltage parallel	6.3 V	Parallel
Heater current parallel	300 mA	Parallel
Maximum plate voltage	330 V	Promoted published value
Maximum plate dissipation	2.75 W	Promoted published value

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate resistance	10900 ohm	Promoted published value
Transconductance	5500 uS	Promoted published value



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1975 RCA RC30

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1975 RCA RC30

Section 1 · Triode

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid to Plate (Each unit)	1.6 pF	Capacitance
Grid to Cathode and Heater (Each unit)	2.5 pF	Capacitance
Unit No.1	0.45 pF	Capacitance
Unit No. 2	0.38 pF	Capacitance
Heater to Cathode (Each unit)	2.8 pF	Capacitance
Cathode to Plate (Unit No.1)	0.2 pF	Capacitance

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Cathode to Plate (Unit No.2)	0.24 pF	Capacitance
Cathode to Grid and Heater (Each unit)	5 pF	Capacitance
Plate to Grid and Heater (Unit No.2)	1.8 pF	Capacitance

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Voltage	330 V	MaximumRatings


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1999 Philips 0-D

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1999 PHILIPS 0-D

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode-grid capacitance	1.6 pF	Interelectrode
Grid-cathode-heater capacitance	2.5 pF	Interelectrode
Anode-cathode-heater capacitance	0.45 pF	Interelectrode


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2026 JJ Electronic

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2026 JJ ELECTRONIC

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Ua	250 V	Published value
Ia	10 mA	Published value
Ug	-2 V	Published value
S	5500 μ S	Published value
μ	60	Published value
Ri	11 k Ω	Published value

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Ua	300 V	Published value
Wa	2.5 W	Published value
Ik	15 mA	Published value
Ug	-50 V	Published value

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