



ELECTRONIC TUBE REFERENCE

26

Voltage - Triode (single) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

General-purpose receiving triode for voltage amplification, detection, oscillator, or Class-A service as documented by the manufacturer.

GENERAL CHARACTERISTICS

BASE DESIGNATION	4D	BASE PINS	4
NOMINAL HEATER	1.5 V / 1.05 A	PARALLEL HEATER	– / –
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
PLATE RESISTANCE	7300 Ω
TRANSCONDUCTANCE	0.00115 S
AMPLIFICATION FACTOR	8.3
MAXIMUM PLATE VOLTAGE	180 V
<i>Promoted representative characteristics at 180 V plate.</i>	

Directly heated triode amplifier.



SOURCE OPERATING CONDITIONS

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1932 Cunningham Radio Tubes

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

1932 CUNNINGHAM RADIO TUBES

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-plate capacitance	8.1 pF	Published direct interelectrode capacitance
Grid-filament capacitance	3.5 pF	Published direct interelectrode capacitance



SOURCE OPERATING CONDITIONS

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1937 Raytheon Radio Receiving Tubes

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

1937 RAYTHEON RADIO RECEIVING TUBES

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate voltage	180 V	Published datasheet rating
Plate voltage	180 V	ClassA
Control-grid bias	14.5 V	ClassA
Plate current	6.2 mA	ClassA

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate resistance	7300 ohm	Published datasheet characteristic
Transconductance	1180 μ S	Published datasheet characteristic
Amplification factor	8.3	Published datasheet characteristic
Heater/filament voltage	1.5 V	Published heater/filament rating

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater/filament current	1.05 A	Published heater/filament rating

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Input capacitance	3.45 pF	Published capacitance
Output capacitance	2.2 pF	Published capacitance
Grid-to-plate capacitance	8.1 pF	Published capacitance


SOURCE DATA APPENDIX

SOURCE OPERATING CONDITIONS

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193X Cunningham

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193X CUNNINGHAM

Section 1 · Triode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater/filament voltage	1.5 V	Published nominal
Heater/filament current	1.05 A	Published nominal
Transconductance	950 μ S	Published characteristic
Amplification factor	8.3	Published characteristic
Plate resistance	8700 Ω	Published characteristic


SOURCE DATA APPENDIX

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1940 RCA

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1940 RCA

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
The	26	The 26 is an amplifier tube con- —/\—
PILAMENT VOLTAGE (A. C.or D.C)	1.5 V	PILAMENT VOLTAGE (A. C.or D.C)..... 1.5 Volts
PILAMENT CURRENT oovinivnnnnnnnnnnnnnas	1.05 A	PILAMENT CURRENT oovinivnnnnnnnnnnnnnas 1.05 Amperes
PLATE VOLTAGE	180 V	PLATE VOLTAGE 90 135 180 max. Volts
GRID VOLTAGE* =	-14 V	GRID VOLTAGE* =7 -10 -14% Volts
PLATE CURRENT ovvvvnnennn	6.2	PLATE CURRENT ovvvvnnennn. 2.9 5.5 6.2 Milliamperes
AMPLIFICATION FACTOR	8.3	AMPLIFICATION FACTOR 8.3 8.3 8.3
The coated filament of the	1.5	The coated filament of the 26 should be operated at the rated voltage of 1.5
ISTIég an amplifler, the	26	ISTIég an amplifler, the 26 should be operated as shown under CHARACTER.
Ef=	1.5 V	Ef=1.5 VOLTS D.C.
[Ly L mnnz voLTS	505 V	[Ly L mnnz voLTS 92C-505R2

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
PLATE RESISTANCE	7300 ohm	PLATE RESISTANCE 8900 7600 7300 Ohms
TRANSCONDUCTANCE	1150 μS	TRANSCONDUCTANCE 935 1100 1150 Micromhos



SOURCE DATA APPENDIX

SOURCE OPERATING CONDITIONS

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1950 Sylvania

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1950 SYLVANIA

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Filament current	1.05 A	—



SOURCE OPERATING CONDITIONS

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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

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate voltage	180 V	Published handbook rating
Plate voltage	180 V	ClassA
Control-grid bias	14.5 V	ClassA
Plate current	6.2 mA	ClassA

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate resistance	7300 ohm	Published handbook characteristic
Transconductance	1150 μ S	Published handbook characteristic
Amplification factor	8.3	Published handbook characteristic
Heater/filament voltage	1.5 V	Published heater/filament rating
Heater/filament current	1.05 A	Published heater/filament rating

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Input capacitance	2.8 pF	Published capacitance column
Output capacitance	2.5 pF	Published capacitance column
Grid-to-plate capacitance	8.1 pF	Published capacitance column

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 Capacitance	8.1 pF	DirectInterelectrode
Input Capacitance	3.1 pF	DirectInterelectrode
Output Capacitance	2.2 pF	DirectInterelectrode