



ELECTRONIC TUBE REFERENCE

25S

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

CONSOLIDATED TECHNICAL
DATA

3 SECTIONS

CONSTRUCTION

DIODE-DIODE-TRIODE

Directly heated double-diode triode for detector, AVC, and audio voltage-amplifier service in battery receivers. Paired diodes provide signal and control rectification while the triode supplies subsequent audio gain.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	6
NOMINAL HEATER	2 V / 60 mA	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Common cathode	SECTION CONSTRUCTION	Dissimilar

SECTION RATINGS

SECTION1 Diode

No fixed ratings recorded.

Detector/AVC diode section 1; source publishes no separate fixed electrical ratings for the diode.

SECTION2 Diode

No fixed ratings recorded.

Detector/AVC diode section 2; source publishes no separate fixed electrical ratings for the diode.

SECTION3 Triode	
PLATE RESISTANCE	35000 Ω
TRANSCONDUCTANCE	0.000575 S
AMPLIFICATION FACTOR	20
MAXIMUM PLATE VOLTAGE	135 V
<i>Triode section Class A1 characteristics.</i>	

Double-diode triode intended for diode detection/AVC and triode amplification.

SOURCE OPERATING CONDITIONS

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 2 · Diode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Number of identical diode units	2 count	IdenticalSectionsCompressed

1937 RAYTHEON RADIO RECEIVING TUBES

Section 3 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	135 V	ClassA
Grid bias	-3 V	ClassA
Plate current	0.8 mA	ClassA

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-to-plate capacitance	3.8 pF	TriodeSection
Input capacitance	2 pF	TriodeSection
Output capacitance	3 pF	TriodeSection

SOURCE OPERATING CONDITIONS

1950 Sylvania

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

1950 SYLVANIA

Section 3 · Triode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Tension filament (CC) 2,0 Volts	2 V	Tension filament (CC) 2,0 Volts
Courant filament v cor o e e e 0,06 ampère	60 mA	Courant filament v cor o e e e 0,06 ampère
Tension filament e 2,0 Volts	2 V	Tension filament e 2,0 Volts
Courant plaque o .. 0,8 ma	0.8 ma	Courant plaque o .. 0,8 ma
Résistance interne 35,000 ohms	35 ohms	Résistance interne 35,000 ohms
son retour s'effectuant au pôle négatif de la tension de polarisation.	1 A	son retour s'effectuant au pôle négatif de la tension de polarisation.

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Tension plaque 0 L L 135 Volts max.	135 V	Tension plaque 0 L L 135 Volts max.



SOURCE OPERATING CONDITIONS

1961 Tung Sol

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

1961 TUNG SOL

Section 3 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Filament Voltage	2 V	Nominal
Filament Current	60 mA	Nominal
Control Grid Voltage	-3 V	ClassA1
Plate Current	0.8 mA	ClassA1

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid To Plate Capacitance	3.6 pF	—
Input Capacitance	1.6 pF	—
Output Capacitance	1.9 pF	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Resistance	35000 ohm	ClassA1
Transconductance	575 uS	ClassA1
Amplification Factor	20	ClassA1

TUBE TINKER

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and their source documents.

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