



ELECTRONIC TUBE REFERENCE

6C8G

Voltage - Dual Triode (similar) electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

TRIODE-TRIODE

Double-triode amplifier with separately brought-out electrodes, intended for general receiver voltage amplification and related signal-processing applications.

GENERAL CHARACTERISTICS

BASE DESIGNATION	8G	BASE PINS	8
NOMINAL HEATER	6.3 V / 300 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
PLATE RESISTANCE	22500 Ω
TRANSCONDUCTANCE	0.0016 S
AMPLIFICATION FACTOR	38
MAXIMUM PLATE VOLTAGE	250 V
Representative identical section.	

SECTION2 Triode	
PLATE RESISTANCE	22500 Ω
TRANSCONDUCTANCE	0.0016 S
AMPLIFICATION FACTOR	38
MAXIMUM PLATE VOLTAGE	250 V
Second identical physical triode section; added to align rows with SectionCount.	

Double-triode amplifier with separately brought-out electrodes.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1937 Ken Rad

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

1937 KEN RAD

Section 1 · Triode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Voltage	250 V	Plate Voltage 250 Volts Max.
Grid Voltage	-4.5 V	Grid Voltage -4.5 Volts
Plate Current	3.1 mA	Plate Current 3.1 Milliamperes
Mutual Conductance	1450 μ S	Mutual Conductance 1,450 Micromhos
Amplification Factor	38 ratio	Amplification Factor 38

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Supply Voltage	250 V	#Plate Supply Voltage 250 250 Volts
Grid Voltage	-3 V	Grid Voltage -3.0 -3.0 Volts
Plate Current	1 A	Plate Current Per Triode 1.7 1.0 Milliamperes



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

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
OCTAL BASE Max. Plate Voltage	250 V	Published table

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid to Plate	2.5 pF	Published table; Column1
Grid to Plate	2.4 pF	Published table; Column2
Input	3.4	Published table; Column1
Input	2.5	Published table; Column2
Plate Voltage	250 V	ClassA
Amplification Factor	38	ClassA
Plate Resistance	26000 ohm	ClassA
Plate Current	3.1 mA	ClassA
Plate Supply Voltage	250 V	ClassA; Column1
Plate Supply Voltage	250 V	ClassA; Column2
Plate Current (per plate)	1.7 mA	ClassA; Column1
Plate Current (per plate)	1 mA	ClassA; Column2
Plate Resistor %per plate)	0.05 ohm	ClassA; Column1
Plate Resistor %per plate)	0.1 ohm	ClassA; Column2
Maximum Output Voltage RHMS (G to G)	60 V	ClassA; Column1
Maximum Output Voltage RHMS (G to G)	80 V	ClassA; Column2



SOURCE DATA APPENDIX

SOURCE OPERATING CONDITIONS

SOURCE PDF

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	250 V	Published handbook rating
Plate voltage	250 V	ClassA
Control-grid bias	4.5 V	ClassA

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate current	3.2 mA	ClassA

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate resistance	22500 ohm	Published handbook characteristic
Transconductance	1600 μ S	Published handbook characteristic
Amplification factor	36	Published handbook characteristic
Heater voltage	6.3 V	Published heater rating
Heater current	300 mA	Published heater rating



SOURCE DATA APPENDIX

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 current	3.2 mA	Typical operating conditions

TUBE TINKER

An independent reference for electronic tubes, vacuum tubes,
and their source documents.

Catalog Tube types Full books Blog Feedback & corrections

© 2026 Tube Tinker