

ELECTRONIC TUBE REFERENCE

79

Power - Triode electronic tube

CONSOLIDATED TECHNICAL DATA
2 SECTIONS
CONSTRUCTION
TRIODE-TRIODE

Transmitting power triode intended for RF amplifier and oscillator service, with manufacturer ratings emphasizing radio-frequency output, substantial plate loading, and professional transmitter operation.

GENERAL CHARACTERISTICS

BASE DESIGNATION	6H	BASE PINS	6
NOMINAL HEATER	6.3 V / 600 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Common cathode	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM PLATE DISSIPATION	11.5 W
MAXIMUM CATHODE CURRENT	90 mA
Published handbook ratings and representative operating characteristics reviewed.	

SECTION2 Triode	
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM PLATE DISSIPATION	11.5 W
MAXIMUM CATHODE CURRENT	90 mA
Second identical physical section; added to align physical rows with SectionCount.	

A complete Class B dual-triode power amplifier especially suited to automobile receiver service, providing high output with low battery-current demand.

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
Peak plate current maximum	90 mA	EachSection
Plate voltage	180 V	ClassB;PushPull;TwoTubes
Control-grid voltage	0 V	ClassB;PushPull;TwoTubes
No-signal plate current per plate	3.8 mA	ClassB;PushPull;TwoTubes
Load resistance plate-to-plate	7000 Ω	ClassB;PushPull;TwoTubes
Power output	5.5 W	ClassB;PushPull;TwoTubes
Plate voltage	250 V	ClassB;PushPull;TwoTubes
Control-grid voltage	0 V	ClassB;PushPull;TwoTubes
No-signal plate current per plate	5.3 mA	ClassB;PushPull;TwoTubes
Load resistance plate-to-plate	14000 Ω	ClassB;PushPull;TwoTubes
Power output	8 W	ClassB;PushPull;TwoTubes

SOURCE OPERATING CONDITIONS

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1940 RCA

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

1940 RCA

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Power Output	8 W	ClassB;PushPull;TwoTubes



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1948 Brimar Radio Valve Manual

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

1948 BRIMAR RADIO VALVE MANUAL

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode Voltage	180 V	ClassB; TwoTubes
Zero-Signal Anode Current	7.6 mA	ClassB; TwoTubes
Input Driving Power	0.35 W	ClassB; TwoTubes
Optimum Anode-to-Anode Load	7000 ohm	ClassB; TwoTubes
Power Output	5.5 W	ClassB; TwoTubes
Anode Voltage	250 V	ClassB; TwoTubes
Power Output	8 W	ClassB; TwoTubes



SOURCE OPERATING CONDITIONS

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1950 Sylvania

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

1950 SYLVANIA

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage	6.3 V	Nominal published value
Heater Current	600 mA	Nominal published value



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	ClassB PushPull TwoTubes
Control-grid bias	0 V	ClassA
Plate current	10.5 mA	ClassA
Load resistance	14000 ohm	ClassB PushPull TwoTubes
Power output	8 W	ClassB PushPull TwoTubes

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	6.3 V	Published heater rating
Heater current	600 mA	Published heater rating



SOURCE DATA APPENDIX

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	Nominal
Heater current	600 mA	Nominal

TUBE TINKER

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