



ELECTRONIC TUBE REFERENCE

6A5G

Power - Triode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Indirectly heated power triode for Class-A and push-pull audio-output amplifier stages, closely related electrically to the directly heated 6A3.

GENERAL CHARACTERISTICS

BASE DESIGNATION	6T	BASE PINS	6
NOMINAL HEATER	6.3 V / 1.25 A	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
PLATE RESISTANCE	800 Ω
TRANSCONDUCTANCE	0.00525 S
AMPLIFICATION FACTOR	4.2
MAXIMUM PLATE VOLTAGE	325 V
<i>Published maximum ratings and representative operating characteristics reviewed.</i>	

Power triode for Class-A and push-pull output-amplifier service, with characteristics closely related to the 6A3 but an indirectly heated cathode.

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

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-to-plate capacitance	16 pF	Section1
Input capacitance	7 pF	Section1
Output capacitance	5 pF	Section1

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	250 V	ClassA
Control-grid voltage	-45 V	ClassA
Plate current	60 mA	ClassA
Load resistance	2600 Ω	ClassA
Power output	3.75 W	ClassA
Plate voltage	325 V	ClassAB;PushPull;TwoTubes
Load resistance plate-to-plate	3000 Ω	ClassAB;PushPull;TwoTubes;FixedBias
Power output	15 W	ClassAB;PushPull;TwoTubes;FixedBias

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate resistance	800 Ω	Section1
Transconductance	5250 μS	Section1
Amplification factor	4.2	Section1

1950 Sylvania

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

1950 SYLVANIA

Section 1 · Triode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Resistance	800 ohm	—
Transconductance	5250 μ S	—
Amplification Factor	4.2	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Plate Voltage	325 V	—



SOURCE DATA APPENDIX

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	45 V	ClassA
Plate current	60 mA	ClassA
Load resistance	2500 ohm	ClassA
Power output	3.75 W	ClassA

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate resistance	800 ohm	Published handbook characteristic
Transconductance	5250 μS	Published handbook characteristic
Amplification factor	4.2	Published handbook characteristic
Heater/filament voltage	6.3 V	Published heater/filament rating
Heater/filament current	1.25 A	Published heater/filament rating

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