



ELECTRONIC TUBE REFERENCE

6AC5G

Power - Triode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

High-mu power triode for positive-grid Class A resistance-coupled amplification and Class B audio output. Its unusual positive-grid operating mode permits dynamic coupling from a driver tube, providing useful output without a conventional driver arrangement.

GENERAL CHARACTERISTICS

BASE DESIGNATION	8	BASE PINS	8
NOMINAL HEATER	6.3 V / 400 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
PLATE RESISTANCE	36700 Ω
TRANSCONDUCTANCE	0.0034 S
AMPLIFICATION FACTOR	125
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM PLATE DISSIPATION	10 W
MAXIMUM CATHODE CURRENT	110 mA
Class A positive-grid power amplifier section.	

Power triode intended for Class-A resistance-coupled power amplification and Class-B power-amplifier service.



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
Plate voltage	250 V	ClassA
Control-grid voltage	13 V	ClassA;PositiveBias
Plate current	32 mA	ClassA
Grid current	5 mA	ClassA
Load resistance	7000 Ω	ClassA;DirectOrDynamicCoupled
Power output	3.7 W	ClassA;DirectOrDynamicCoupled
Load resistance plate-to-plate	10000 Ω	ClassB;TwoTubes
Power output	8 W	ClassB;TwoTubes

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate resistance	36700 Ω	Section1
Transconductance	3400 μS	Section1
Amplification factor	125	Section1



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1938 Triadyne

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

1938 TRIADYNE

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Current	32 mA	ClassA;DynamicCoupled
Grid Current	5 mA	ClassA;DynamicCoupled
Load Resistance	7000 ohm	ClassA;DynamicCoupled
RatedPowerOutput	3.7 W	ClassA;DynamicCoupled



SOURCE DATA APPENDIX

SOURCE OPERATING CONDITIONS

SOURCE PDF

1950 Sylvania

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

1950 SYLVANIA

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Plate Voltage	250 V	—
Maximum Plate Dissipation	10 W	—

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