



ELECTRONIC TUBE REFERENCE

6AC5GT

Power - Triode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Octal glass high-mu power triode for positive-grid audio amplification. Dynamic coupling from a driver tube and an unusually high amplification factor distinguish it from conventional low-mu output triodes, with published output around several watts.

GENERAL CHARACTERISTICS

BASE DESIGNATION	60	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	36765 Ω
TRANSCONDUCTANCE	0.0034 S
AMPLIFICATION FACTOR	125
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM PLATE DISSIPATION	10 W
MAXIMUM CATHODE CURRENT	110 mA
<i>Published promoted fields populated from the datasheet; identical repeated sections compressed where applicable.</i>	

from RMA release #242, April 30, 1940 KEN-RAD- 6AC5GT Page One Application: The Ken-Rad 6AC5GT is a cathode type power amplifier triode. It may be used for operation in positive grid regions with a type 76 as a driver. The 6AC5GT is a glass tube equipped with an octal base. Physical Characteristics: 2 '8

MAX. rfi— re | 28 MAX. 5' 36 MAX.) s MAX. RATING AND CHARACTERISTICS c 8 Heater: Voltage 6.3 Volts
AC or DC Current 0.4 Ampere Note: Voltage between heater and cathode should be kept at a minimum

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	13 V	Grid Voltage +13 Volts
Plate Current	3 A	Plate Current 3e Milijamperes
Grid Current	5 mA	Grid Current 5 Milliamperes
Amplification Factor	125 ratio	Amplification Factor 125
Plate Current	110 mA	Peak Plate Current (Per Tube) 110 Max. Milliamperes
Plate Dissipation	10 W	Average Plate Dissipation 10 Max. Watts
Plate Current	2.5 A	Zero-Signal DC Plate Current (Per Tube) 2.5 Milljamperes
Load Resistance	10000 ohm	Load Resistance (Plate to Plate) 10,000 Ohmsa
Power Output	8 W	Power Output 8 Watts Approx.

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Supply Voltage	250 V	Plate Supply Voltage 250 Volts Max.
Grid Voltage	0 V	External Grid Voltage® 0 Volts
Plate Dissipation	10 W	Plate Dissipation 10 Watts Max.
Plate Current	32 mA	Plate Current 32 Milliamperes
Plate Current	5.5 A	Plate Current of Driver 5.5 Milljamperes
Load Resistance	7000 ohm	Load Resistance 7,000 Ohms
Power Output	3.7 W	Power Output®* 3.7 Watts
Power Output	4.3 W	** A power output of 4.3 watts may be obtained if the driver is operated up to the point of



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	0 V	ClassA
Plate current	5 mA	ClassA
Load resistance	10000 ohm	ClassA
Power output	8.05 W	ClassA

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater/filament voltage	6.3 V	Published heater/filament rating
Heater/filament current	400 mA	Published heater/filament rating



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
Power Output	8 W	Typical
Plate Voltage	250 V	Typical