

ELECTRONIC TUBE REFERENCE

6P5GT

Voltage - Triode (single) electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
TRIODE

General-purpose triode for detector, oscillator, and amplifier service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	60	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	9500 Ω
TRANSCONDUCTANCE	0.00145 S
AMPLIFICATION FACTOR	13.8
MAXIMUM PLATE VOLTAGE	250 V
Source-defined physical/function section.	

The Ken-Rad 6PS5GT is a cathode type triode recommended for use as detector, oscillator, or amplifier. It can be used as an audio amplifier in a resistance coupled stage or in a power driver stage transformer coupled to the output stage. The 6PSGT is a glass tube equipped with an octal base and has electrical characteristics identical to those of type 76.



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

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Voltage	250 V	Plate Voltage 100 250 Max. 250* Volts
Grid Voltage	-9 V	Grid Voltage -5 -13.5 -9 Volts
Plate Current	2 mA	Plate Current 2.5 5.0 1to 2 Milliamperes
Load Resistance	100000 ohm	Load Resistance - - 50,000 to 100,000 Ohms
Plate Resistance	9500 ohm	Plate Resistance 12,000 9,500 - Ohms
Amplification Factor	3.8 ratio	AmpLification Factor ia.8 i3.8 -
Grid Voltage	-20 V	Grid Voltage -8 -20 Return to Catkode Volts (Approx.)



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

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Input capacitance	3.4 pF	Section1
Output capacitance	5.5 pF	Section1
Grid-to-plate capacitance	2.6 pF	Section1

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	250 V	ClassA
Control-grid voltage	-13.5 V	ClassA
Plate current	5 mA	ClassA

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate resistance	9500 Ω	ClassA
Transconductance	1450 μS	ClassA
Amplification factor	13.8	ClassA



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1961 Tung Sol

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1961 TUNG SOL

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	6.3 V	—
Heater current	300 mA	—
Plate voltage	250 V	Typical operating conditions
Plate current	2.55.0 mA	Typical operating conditions

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