



ELECTRONIC TUBE REFERENCE

6S6GT

Voltage - Pentode Remote Cutoff (single) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
PENTODE

Glass remote-cutoff RF pentode characterized by high transconductance and low output capacitance. Designed for controlled-gain high-frequency amplification, it combines useful RF gain with gradual cutoff behavior.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	8
NOMINAL HEATER	6.3 V / 450 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Pentode	
PLATE RESISTANCE	350000 Ω
TRANSCONDUCTANCE	0.004 S
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM SCREEN VOLTAGE	100 V
Source-defined physical/function section.	

The Yen-Rad 6S6GT is a cathode type remote cut-off RF pentode featuring high transconductance and low output capacitance. The 6Sc6GT is a glass tube equipped with an octal base.



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 · Pentode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Voltage	250 V	Plate Voltage 250 Volts Mex.
Screen Voltage	100 V	Screen Voltage 100 Volts Max.
Grid Voltage	-2 V	Grid Voltage -2 Volts Min.
Plate Current	13 A	Plate Current 13 Milliamperes
Screen Current	3 mA	Screen Current 3 Milliamperes
Plate Resistance	350000 ohm	Plate Resistance 350,000 Ohms
Grid Voltage	-3 V	Control Grid Voltage for $S_m = 20 \mu\text{hos}$ -3 Volts

TUBE TINKER

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