



ELECTRONIC TUBE REFERENCE

6SS7GT

Voltage - Pentode Remote Cutoff (single) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
PENTODE

GT-envelope remote-cutoff RF pentode for AVC-controlled RF and IF amplifier service. It combines variable-gain receiver operation with tubular glass construction.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	8
NOMINAL HEATER	6.3 V / 150 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Pentode	
PLATE RESISTANCE	120000 Ω
TRANSCONDUCTANCE	0.0022 S
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM SCREEN VOLTAGE	100 V
MAXIMUM PLATE DISSIPATION	2.25 W
MAXIMUM SCREEN DISSIPATION	0.35 W
Remote-cutoff pentode.	

Remote-cutoff RF pentode for AVC-controlled RF and IF amplifier service.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

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

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Section 1 · Pentode

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-to-plate capacitance	0.004 pF	ExternalShield
Input capacitance	5 pF	ExternalShield
Output capacitance	6 pF	ExternalShield

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	100 V	Typical
Screen voltage	100 V	Typical
Control-grid voltage	-1 V	Typical
Plate current	12.2 mA	Typical
Screen current	3.1 mA	Typical
Transconductance	2200 uS	Typical
Plate resistance	120000 ohm	Typical
Grid voltage for transconductance 10 uS	-15 V	—

TUBE TINKER

An independent reference for electronic tubes, vacuum tubes, and their source documents.

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