



ELECTRONIC TUBE REFERENCE

5797

Voltage - Pentode or Tetrode (under 100V) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

PENTODE

Remote- or semi-remote-cutoff pentode designed for RF, IF, variable-mu, or controlled-gain amplifier service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	K8-1	BASE PINS	8
NOMINAL HEATER	26.5 V / 45 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Pentode	
PLATE RESISTANCE	70000 Ω
TRANSCONDUCTANCE	0.00345 S
MAXIMUM PLATE VOLTAGE	50 V
MAXIMUM SCREEN VOLTAGE	50 V
MAXIMUM PLATE DISSIPATION	0.8 W
MAXIMUM SCREEN DISSIPATION	0.25 W
MAXIMUM CATHODE CURRENT	9 mA
MAXIMUM HEATER-CATHODE VOLTAGE	90 V
Design-center ratings and 26.5-V Class-A characteristics promoted.	

The 5797 is a subminiature semi-remote-cutoff pentode for radio-frequency amplification to about 400 MHz, designed for shock, vibration, and high-temperature aircraft service.

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 · Pentode

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Input capacitance	4.2 pF	—
Output capacitance	3.2 pF	—
Grid-to-plate capacitance	0.024 pF	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	26.5 V	ClassA
Screen-grid voltage	26.5 V	ClassA
Grid voltage	0 V	ClassA
Plate current	2.8 mA	ClassA
Screen-grid current	0.9 mA	ClassA

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate resistance	70000 ohm	—
Transconductance	3450 uS	—

1968 General Electric Co

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

1968 GENERAL ELECTRIC CO
Section 1 · Pentode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Voltage	26.5 V	ClassA
Screen Voltage	26.5 V	ClassA

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Current	2.75 mA	ClassA
Screen Current	0.9 mA	ClassA

TUBE TINKER

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