

ELECTRONIC TUBE REFERENCE

6134

Voltage - Pentode Sharp Cutoff (single) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
PENTODE

Sharp-cutoff pentode designed for wide-band amplifier service with rugged heater-cathode construction. Its fixed-gain characteristic and strengthened internal design suit professional broadband signal equipment.

GENERAL CHARACTERISTICS

BASE DESIGNATION	8N	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

8N - TERMINAL PINOUT

TERMINAL	SECTION	ELEMENT	STATUS
PIN1 – SH	A	SH – Internal Shield	CONNECTED
PIN2 – H	–	H – Heater	CONNECTED
PIN3 – G3	A	G3 – Suppressor Grid	CONNECTED
PIN4 – G1	A	G1 – Control Grid	CONNECTED
PIN5 – K	A	K – Cathode	CONNECTED
PIN6 – G2	A	G2 – Screen Grid	CONNECTED
PIN7 – H	–	H – Heater	CONNECTED
PIN8 – P	A	P – Plate (Anode)	CONNECTED

SECTION RATINGS

SECTION1 Pentode	
PLATE RESISTANCE	1000000 Ω
TRANSCONDUCTANCE	0.009 S
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM SCREEN VOLTAGE	300 V
MAXIMUM PLATE DISSIPATION	3 W
MAXIMUM SCREEN DISSIPATION	0.38 W
<i>Sharp-cutoff RF pentode.</i>	

Sharp-cutoff pentode intended for wide-band amplifier service with rugged heater-cathode construction.

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	11 pF	—
Output capacitance	5 pF	—
Grid-to-plate capacitance	0.015 pF	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	300 V	ClassA
Screen-grid voltage	150 V	ClassA
Cathode-bias resistor	160 ohm	ClassA
Plate current	10 mA	ClassA
Screen-grid current	2.5 mA	ClassA

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate resistance	1000000 ohm	—
Transconductance	9000 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
HeaterOrFilamentVoltageNominal	6.3 V	—
HeaterOrFilamentCurrentNominal	450 mA	—
PlateVoltage300Volts	300 V	Published datasheet table
ScreenSupplyVoltage300Volts	300 V	Published datasheet table
PlateDissipation30Watts	3 W	Published datasheet table
ScreenDissipation038Watt	0.38 W	Published datasheet table
GridNo1CircultResistanceWithCathodeBias	1	Published datasheet table
FixedScreenVoltage025Megohm	0.25 Megohm	Published datasheet table

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
PlateVoltage300Volts	300 V	Published datasheet table
SuppressorVoltage0Volt	0 V	Published datasheet table
ScreenVoltage150Volts	150 V	Published datasheet table
CathodeBiasResistor1600hms	160 0hm	Published datasheet table
PlateResistanceApproximate10Megohm	1 Megohm	Published datasheet table
Transconductance9000Micromhos	9000 uS	Published datasheet table
PlateCurrent10Milliamperes	10 mA	Published datasheet table
ScreenCurrent25Milliamperes	2.5 mA	Published datasheet table
GridNo1VoltageApproximate	1	Published datasheet table
T0perationWithFixedBiasIsNotRecommended	1	Published datasheet table

TUBE TINKER

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