



ELECTRONIC TUBE REFERENCE

6137

Voltage Pentode - Remote Cutoff (single) 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	B8-21	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

SECTION 1 Pentode	
PLATE RESISTANCE	800000 Ω
TRANSCONDUCTANCE	0.002 S
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM SCREEN VOLTAGE	125 V
MAXIMUM PLATE DISSIPATION	3 W
MAXIMUM SCREEN DISSIPATION	0.4 W
<i>Remote-cutoff RF pentode.</i>	

The GL-6137 is a remote-cutoff pentode for high-gain RF or IF amplification, designed for dependable life and reliable service in demanding mobile and aircraft applications, with strong mechanical construction and a heater-cathode structure suited to repeated intermittent operation.

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	5 pF	—
Output capacitance	7 pF	—
Grid-to-plate capacitance	0.003 pF	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	250 V	ClassA
Screen-grid voltage	100 V	ClassA
Grid voltage	-3 V	ClassA
Plate current	9.2 mA	ClassA
Screen-grid current	2.6 mA	ClassA
Plate voltage	100 V	ClassA
Screen-grid voltage	100 V	ClassA
Grid voltage	-1 V	ClassA
Plate current	13 mA	ClassA
Screen-grid current	4 mA	ClassA

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate resistance	800000 ohm	At250V
Transconductance	2000 uS	At250V
Plate resistance	120000 ohm	At100V
Transconductance	2350 uS	At100V

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

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

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transconductance	2350 μ S	ClassA; PlateVoltage=100V; ScreenVoltage=100V
Transconductance	2000 μ S	ClassA; PlateVoltage=250V; ScreenVoltage=100V
Measured with Pin	1 C	Class A; Amplifier
APin	3 C	Class A; Amplifier
GRID-NUMBER	1 V	Class A; Amplifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Current	13 mA	ClassA; PlateVoltage=100V; ScreenVoltage=100V
Screen Current	4 mA	ClassA; PlateVoltage=100V; ScreenVoltage=100V
Plate Current	9.2 mA	ClassA; PlateVoltage=250V; ScreenVoltage=100V
Screen Current	2.6 mA	ClassA; PlateVoltage=250V; ScreenVoltage=100V
The GL	6137 C	—
Plate Voltage	300 V	—
Plate Dissipation ot	3 W	—