DESCRIPTION

The GL-5654 is a miniature sharp-cutoff pentode similar to the Type 6AK5. The GL-5654, however, is designed for reliable service under conditions of intermittent operation.

TECHNICAL INFORMATION

GENERAL

Electrical Data
- Cathode—Coated Unipotential
- Heater Voltage (A-c or D-c)................................. 6.3 Volts
- Heater Current.................................................. 0.175 Ampere
- Direct Interelectrode Capacitances*
  - Grid to Plate.............................................. 0.02 max uuf
  - Input....................................................... 4.0 uuf
  - Output.................................................... 2.9 uuf

Mechanical Data
- Mounting Position—Any
- Envelope—T-5 3/4 Glass

GENERAL ELECTRIC

Supersedes ETX-241A dated 3-51
TECHNICAL INFORMATION (CONT'D)

MAXIMUM RATINGS AND TYPICAL OPERATING CONDITIONS

Maximum Ratings, Design Center
- Plate Voltage: 180 Volts
- Grid-No. 2 Voltage: 140 Volts
- Cathode Current: 18 Milliamperes
- Plate Dissipation: 1.7 Watts
- Grid-No. 2 Dissipation: 0.5 Watt
- Peak Heater-cathode Voltage: 90 Volts

Typical Operation
- Class A1 Amplifier
- Plate Voltage: 120 Volts
- Grid-No. 2 Voltage: 120 Volts
- Cathode-bias Resistor: 0.34 Megohm
- Plate Resistance, approximate: 200 Ohms
- Transconductance: 5000 Micromhos
- Plate Current: 7.5 Milliamperes
- Grid-No. 2 Current: 2.5 Milliamperes
- Grid-No. 1 Voltage, approximate, \( I_p = 10 \text{ ua} \): -12 Volts

* Approximate values with external shield connected to cathode.
† Fixed-bias operation is not recommended.

GL-5654

SCREEN-GRID CHARACTERISTICS
SCREEN VOLTS = 120 \ E_i = 6.3

![Graph showing screen-grid characteristics](image-url)
GL-5654 AVERAGE CHARACTERISTICS

---SCREEN VOLTS = 120 ---SCREEN VOLTS = 75
PLATE VOLTS = 180  $E_i = 6.3$ VOLTS

---SCREEN VOLTS = 120 ---SCREEN VOLTS = 75
PLATE VOLTS = 180  $E_i = 6.3$ VOLTS

---SCREEN VOLTS = 120 ---SCREEN VOLTS = 75
PLATE VOLTS = 180  $E_i = 6.3$ VOLTS
OUTLINE GL-5654

MINIATURE BUTTON
7- PIN
BASE NO. E7-1

BASING DIAGRAM

PIN 1: GRID NO. 1
PIN 2: CATHODE, INTERNAL SHIELD, GRID NO.3
PIN 3: HEATER
PIN 4: HEATER
PIN 5: PLATE
PIN 6: GRID NO. 2
PIN 7: CATHODE, INTERNAL SHIELD, GRID NO. 3