



# PLIOTRON

## DESCRIPTION

The GL-5610 is a 7-pin miniature triode amplifier for industrial application where small size is a factor.

## TECHNICAL INFORMATION

These data are for reference only. For design information refer to specifications.

## GENERAL CHARACTERISTICS

|                                        |              |
|----------------------------------------|--------------|
| Number of electrodes.....              | 4            |
| <b>Electrical</b>                      |              |
| Cathode—coated unipotential.....       | 6.3 volts    |
| Heater voltage.....                    | 0.15 ampere  |
| Heater current.....                    |              |
| <b>Mechanical</b>                      |              |
| Mounting position—any.....             | 3/4 inch     |
| Envelope—T-5 1/2 glass.....            | 2 1/8 inches |
| Base—Miniature glass button 7-pin..... | 1 7/8 inches |
| Maximum diameter.....                  |              |
| Maximum over-all length.....           |              |
| Maximum seated height.....             |              |

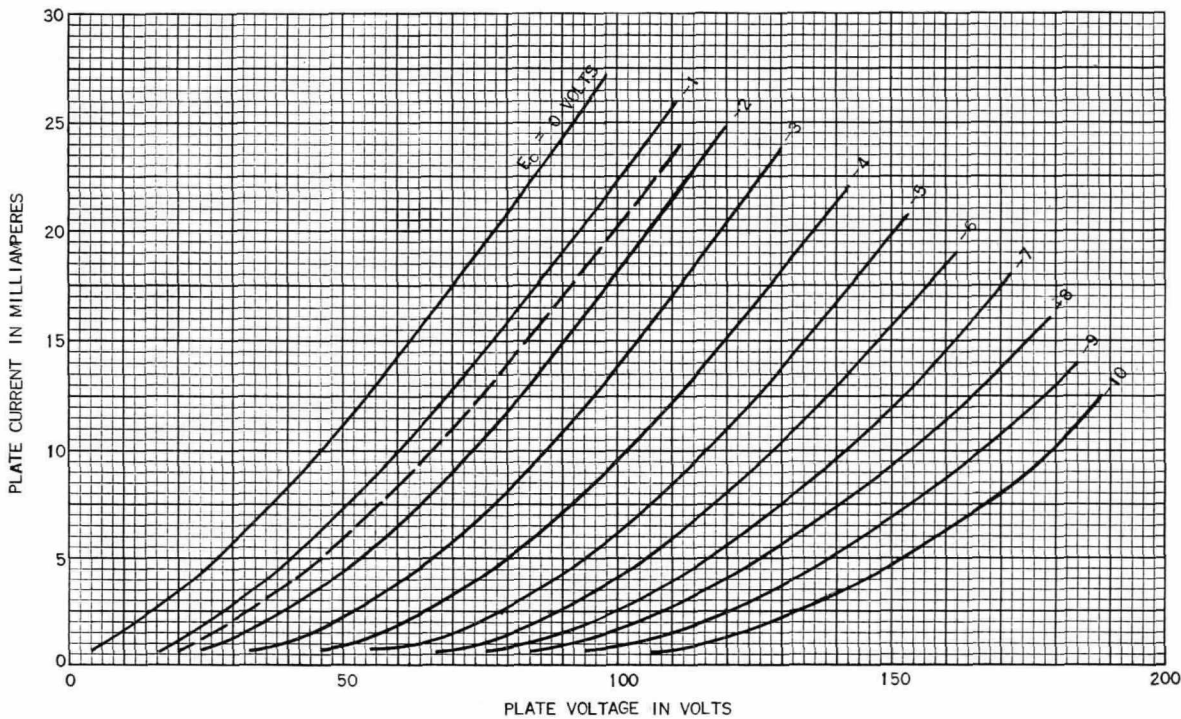


GENERAL  ELECTRIC

TECHNICAL INFORMATION (CONT'D)

MAXIMUM RATINGS AND TYPICAL OPERATING CONDITIONS

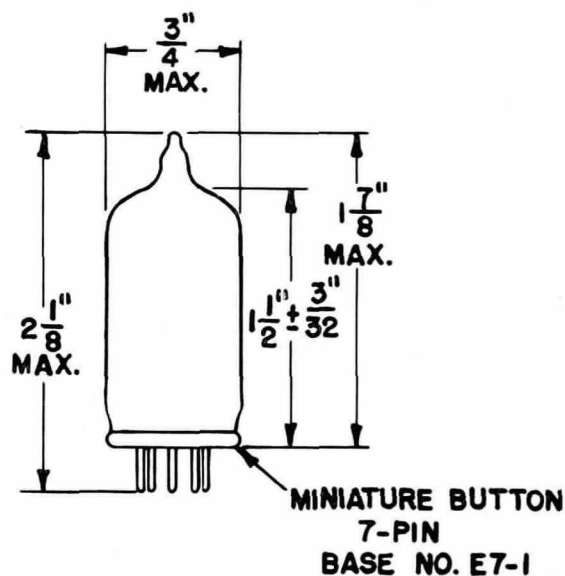
|                                                               |                 |
|---------------------------------------------------------------|-----------------|
| Maximum ratings, design center                                |                 |
| Plate voltage                                                 | 300 volts       |
| A-c heater-cathode voltage                                    | 117 volts       |
| Plate dissipation                                             | 3.0 watts       |
| Typical operation                                             |                 |
| Class A amplifier                                             |                 |
| Heater voltage                                                | 6.3 volts       |
| Plate voltage                                                 | 90 volts        |
| Grid bias voltage                                             | -1.5 volts      |
| Grid voltage for plate current = 10 microamperes, approximate | -15 volts       |
| Plate current                                                 | 17 milliamperes |
| Transconductance                                              | 4000 micromhos  |
| Plate resistance                                              | 3500 ohms       |
| Amplification factor                                          | 14              |



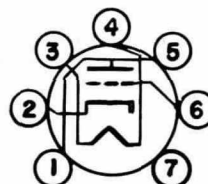
GL-5610  
PLATE CHARACTERISTICS

## TERMINAL CONNECTIONS

PIN 1—PLATE  
 PIN 2—CATHODE  
 PIN 3—HEATER  
 PIN 4—HEATER  
 PIN 5—PLATE  
 PIN 6—GRID  
 PIN 7—NO CONNECTION



## BASING DIAGRAM



6CG

OUTLINE  
 PIOTRON GL-5610

*Electronics Department*  
**GENERAL  ELECTRIC**  
*Schenectady, N. Y.*