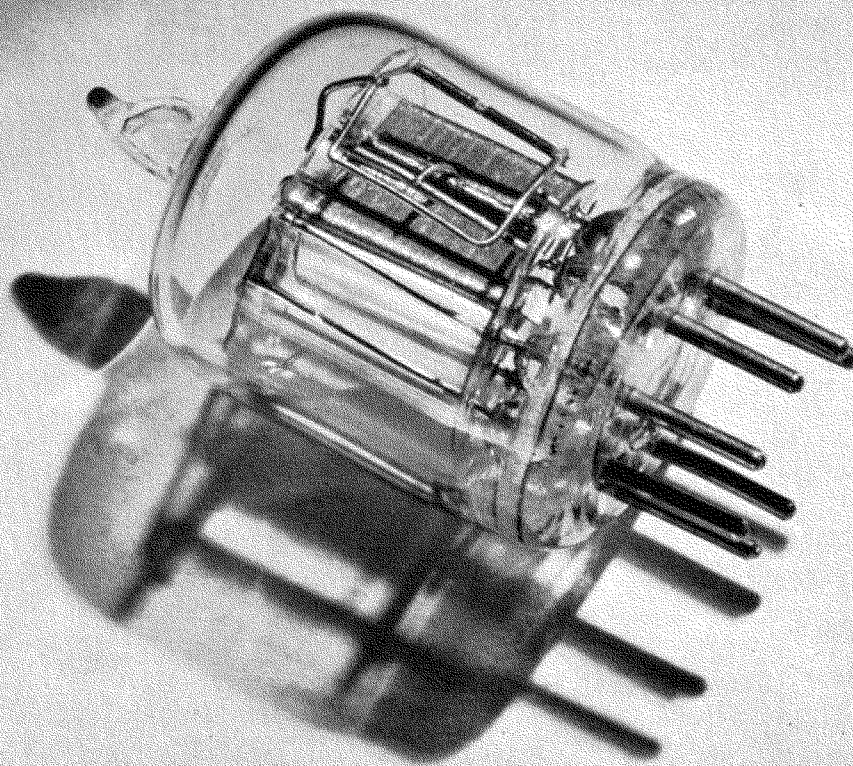




THYRATRON

DESCRIPTION

The GL-546 is an inert-gas-filled thyatron designed with a shield grid. The control characteristic of the GL-546 is independent of ambient temperature over a wide range. The

small size and lightweight construction are features which especially adapt it to many control and relay applications where compactness and weight are important factors.

TECHNICAL INFORMATION

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

GENERAL CHARACTERISTICS

Number of electrodes 4

Electrical

Cathode—Indirectly heated type

Voltage 6.3 volts

Current, approx. 0.15 ampere

Heating time, minimum 10 seconds

Tube voltage drop, approx. 14–16 volts

Average anode to control-grid capacitance 0.1 micromicrofarad

Grid resistor

Minimum 0.01 megohm*

Maximum 10 megohms*

Ambient temperature -40 to +80 centigrade

**When the tube is operated with an a-c anode voltage and a high value of grid-circuit resistance, the grid-anode capacitance should be made as small as possible by placing the grid resistor directly at the socket terminal.*


Electronic
TUBE

GENERAL  ELECTRIC

TECHNICAL INFORMATION (CONT'D)

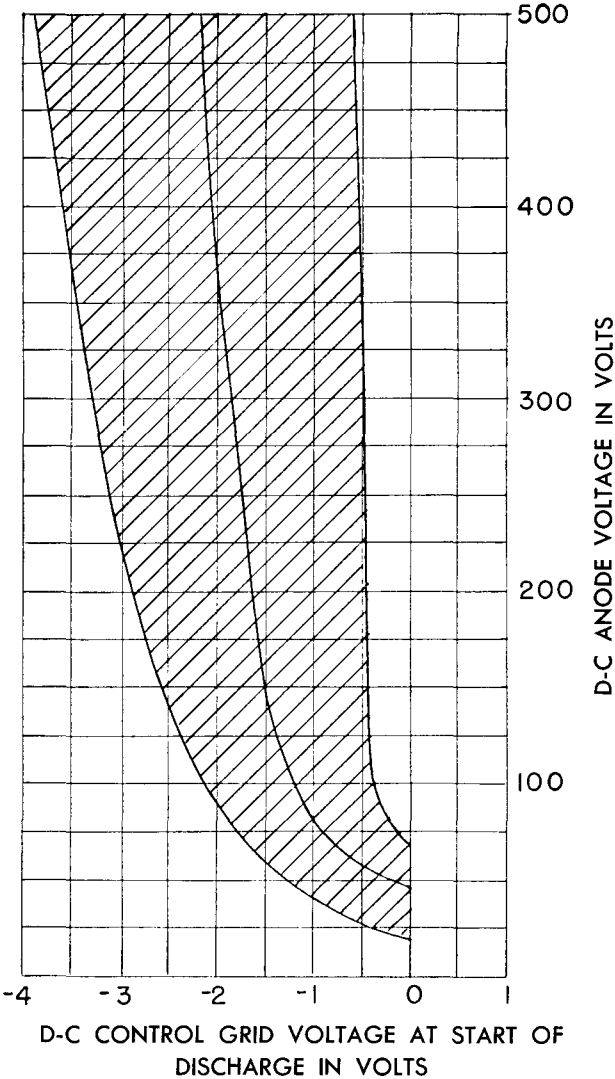
Mechanical

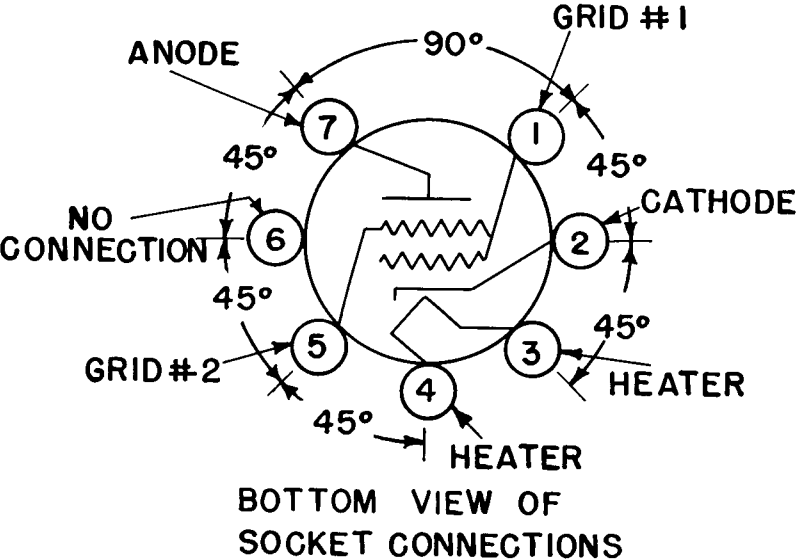
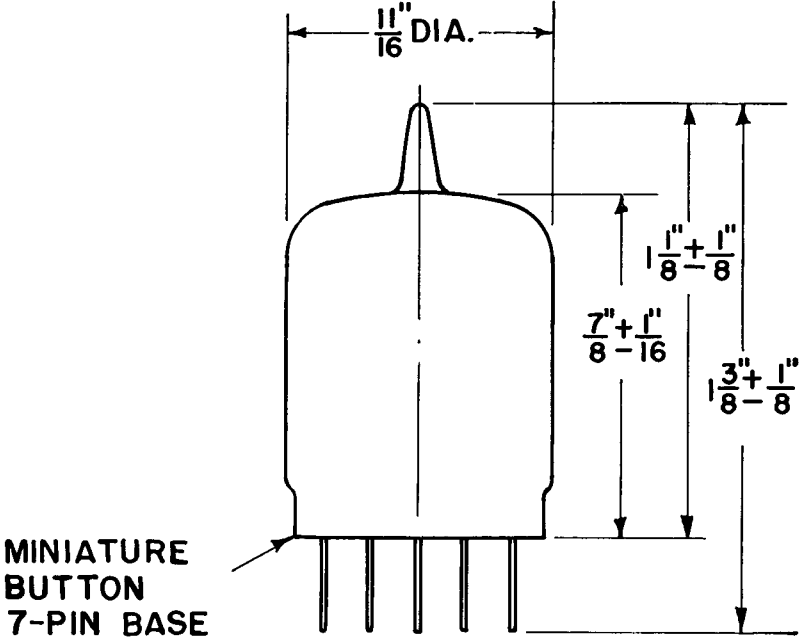
Net weight, approx.	1/3 ounce
Shipping weight, approx.	3 pounds

MAXIMUM RATINGS

Maximum peak anode voltage	
Inverse	500 volts
Forward	500 volts
Maximum anode current	
Instantaneous	100 milliamperes
Average	20 milliamperes
Maximum time of averaging anode current	15 seconds

GL-546 THYRATRON
TYPICAL CONTROL CHARACTERISTICS
 $E_{G2}=0$
SHADED AREA SHOWS RANGE OF CHARACTERISTIC





K-8639362

9-23-44

OUTLINE
GL-546 THYRATRON

