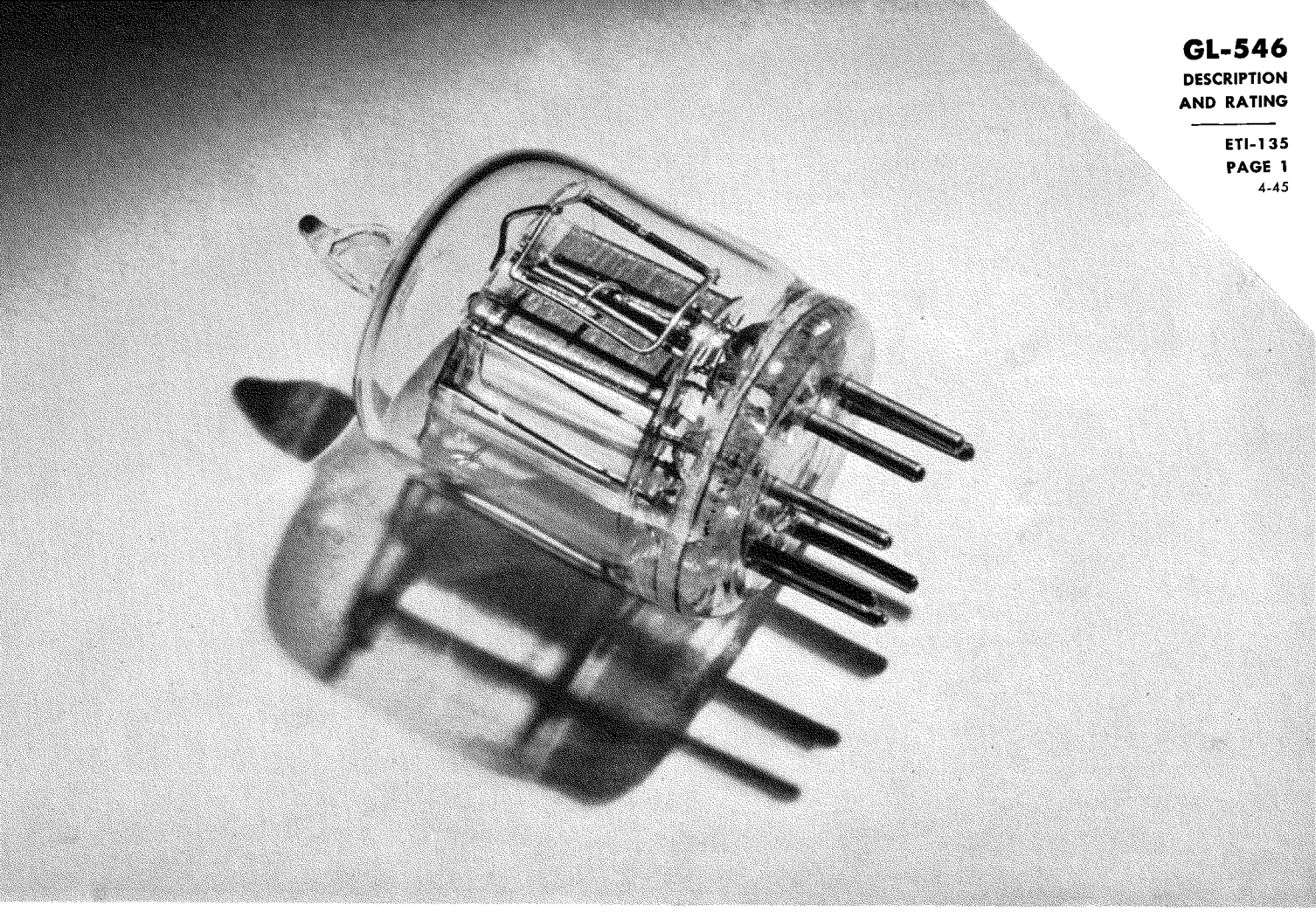


THYRATRON

DESCRIPTION

The GL-546 is an inert-gas-filled thyratron 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)

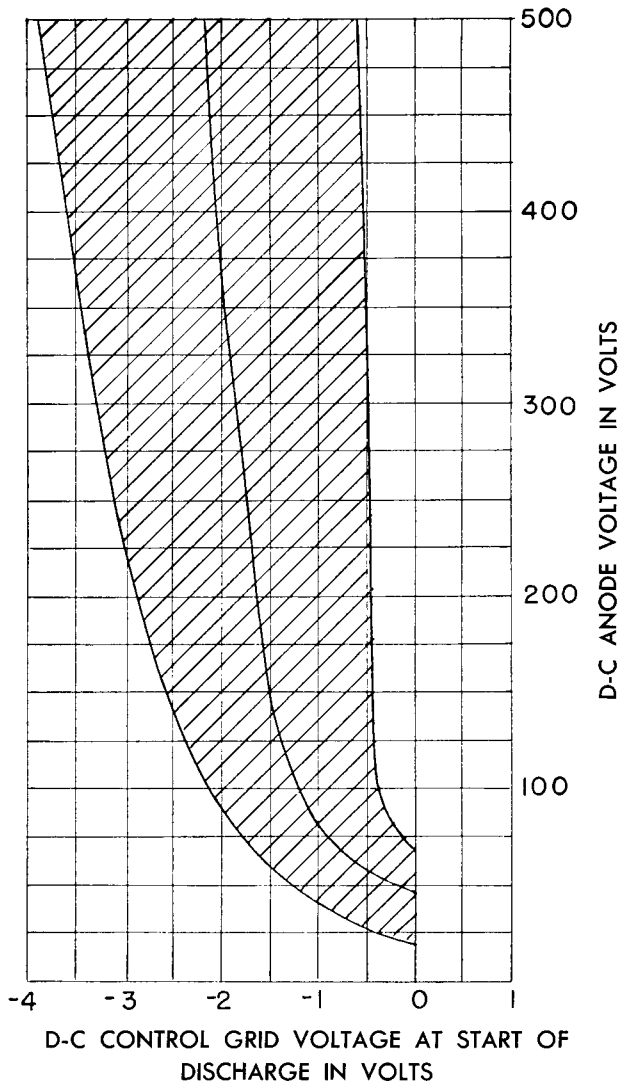
Mechanical

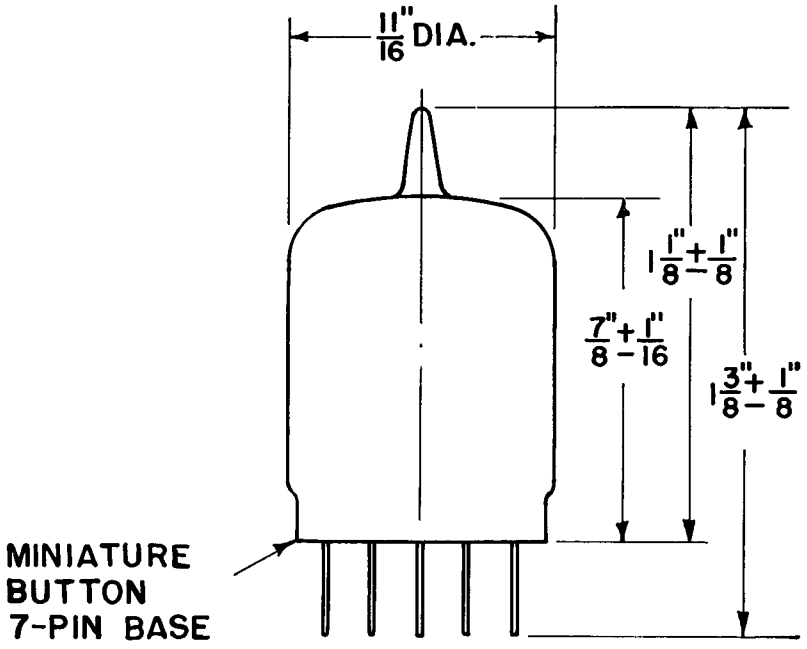
Net weight, approx.	1/3	ounce
Shipping weight, approx.	3	pounds

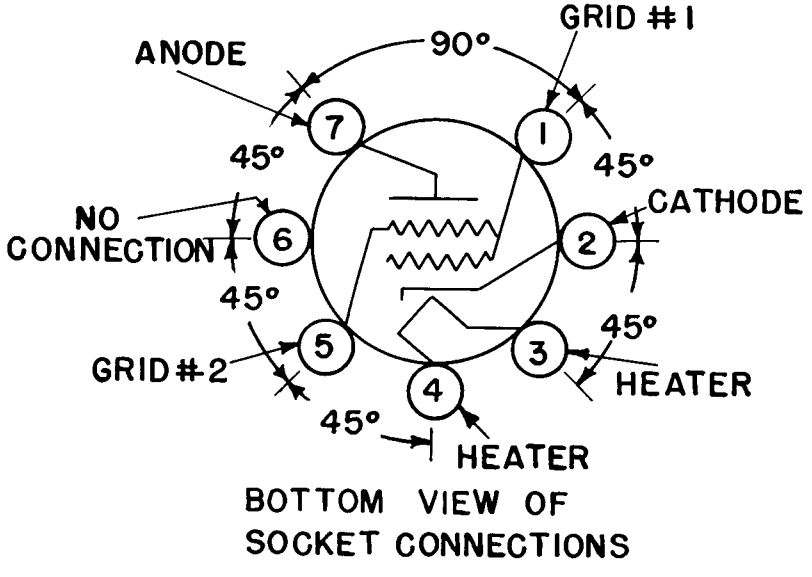
MAXIMUM RATINGS

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

Electronics Department
GENERAL ELECTRIC
Schenectady, N. Y.

4-45 (4M)
Filing No. 8850