



TWIN TRIODE

DESCRIPTION

The GL-5670 is a 9-pin miniature, high-frequency twin triode designed for reliable life under conditions of intermittent operation.

GENERAL

Electrical Data

Cathode—Coated Unipotential	6.3 Volts
Heater Voltage, a-c or d-c.....	0.350 Ampere
Heater Current.....	

Mechanical Data

Envelope.....	T-6½ Glass
Base.....	E9-1 Glass Button 9-pin
Maximum Diameter.....	7/8 Inch
Maximum Seated Height.....	1½ Inches
Maximum Over-all Length.....	1¾ Inches
Mounting Position—Any	
Direct Interelectrode Capacitances	
Without External Shield	
Plate to Grid, Each Section*	1.3 uuf
Plate to Cathode, Each Section*	1.0 uuf
Grid to Cathode, Each Section*	2.2 uuf
Plate to Plate, Nominal.....	0.05 uuf
Plate to Plate, Maximum.....	0.10 uuf

* Internal shield and heater connected to cathode.

GENERAL ELECTRIC
Supersedes ETX-233 dated 9-49


Electron
TUBE

TECHNICAL INFORMATION (CONT'D)**MAXIMUM RATINGS AND TYPICAL OPERATING CONDITIONS****Maximum Ratings, Design Center****Each Triode Section**

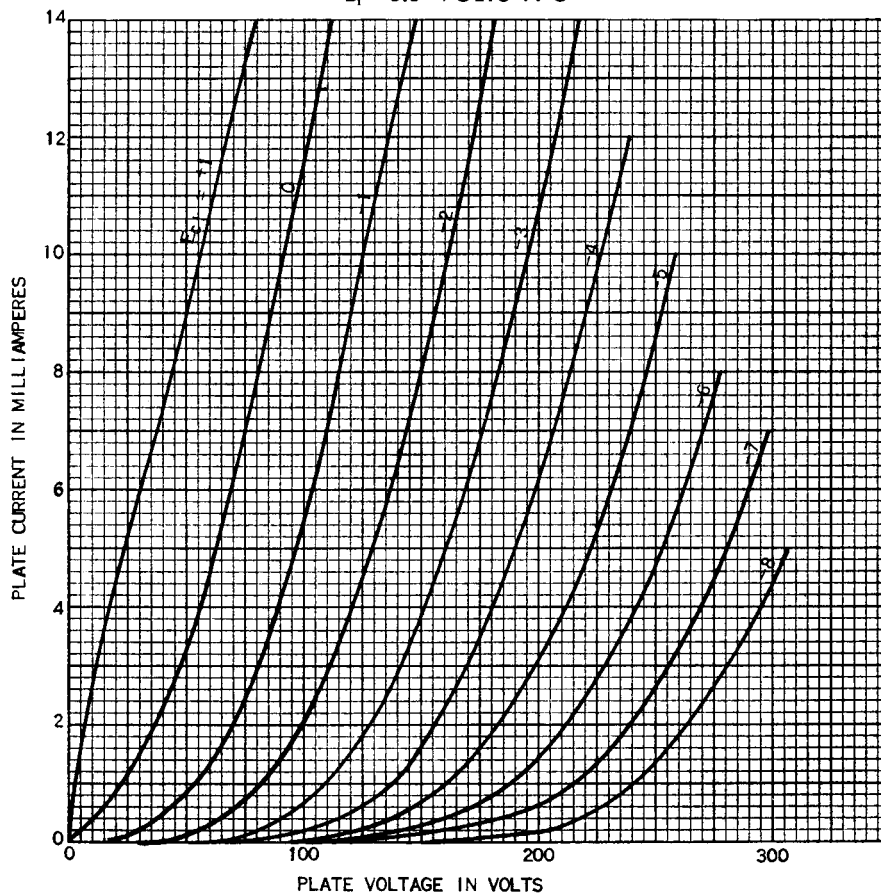
Plate Voltage.....	300 Volts
Plate Dissipation.....	1.5 Watts
Plate Current.....	18 Milliamperes
Heater-Cathode Voltage.....	90 Volts

Typical Operation**Class A₁ Operation**

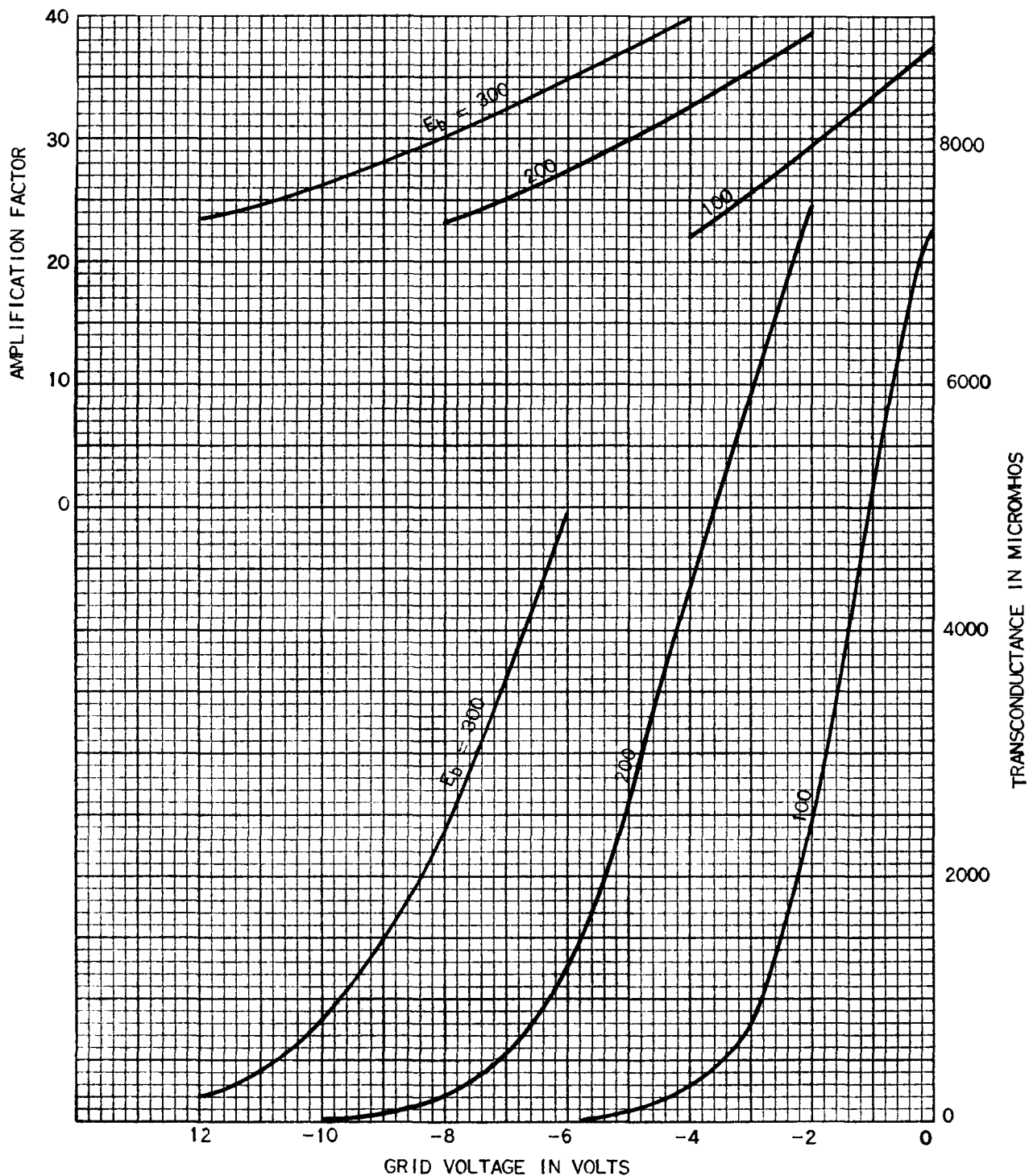
Plate Voltage.....	150 Volts
Cathode Resistor, Per Section.....	240 Ohms
Plate Current, Per Section.....	8.2 Milliamperes
Transconductance, Per Section.....	5500 Micromhos
Amplification Factor.....	35
Cut-off Grid Voltage, $I_b = 75\mu a$ approx.....	-10 Volts

Class AB₁ Operation

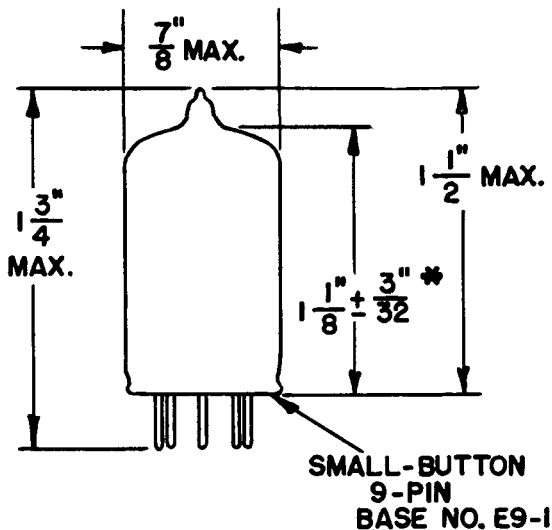
Plate Voltage.....	300 Volts
Cathode Resistor.....	800 Ohms
A-F Grid-to-Grid Voltage, RMS.....	14 Volts
Zero-Signal Plate Current, Per Section.....	4.9 Milliamperes
Maximum-Signal Plate Current, Per Section.....	6.3 Milliamperes
Load Impedance, Plate-to-Plate.....	27000 Ohms
Total Harmonic Distortion.....	10 Per Cent
Maximum-Signal Power Output.....	1.0 Watt

GL-5670**AVERAGE PLATE CHARACTERISTICS** $E_f = 6.3$ VOLTS A-C

GL-5670
 AVERAGE CHARACTERISTICS
 $E_i = 6.3$ VOLTS A-C

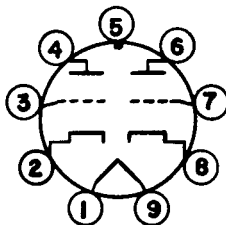


GL-5670 OUTLINE



* MEASURED FROM BASE SEAT TO BULB TOP LINE
AS DETERMINED BY RING GAGE OF 7/16" I.D.

BASING DIAGRAM



8CJ

TERMINAL CONNECTIONS

Pin 1—Heater
Pin 2—Cathode (Section 2)
Pin 3—Grid (Section 2)
Pin 4—Plate (Section 2)
Pin 5—Internal Shield

Pin 6—Plate (Section 1)
Pin 7—Grid (Section 1)
Pin 8—Cathode (Section 1)
Pin 9—Heater

N-15122AZ

6-18-43

Tube Department

GENERAL  ELECTRIC
Schenectady, N. Y.