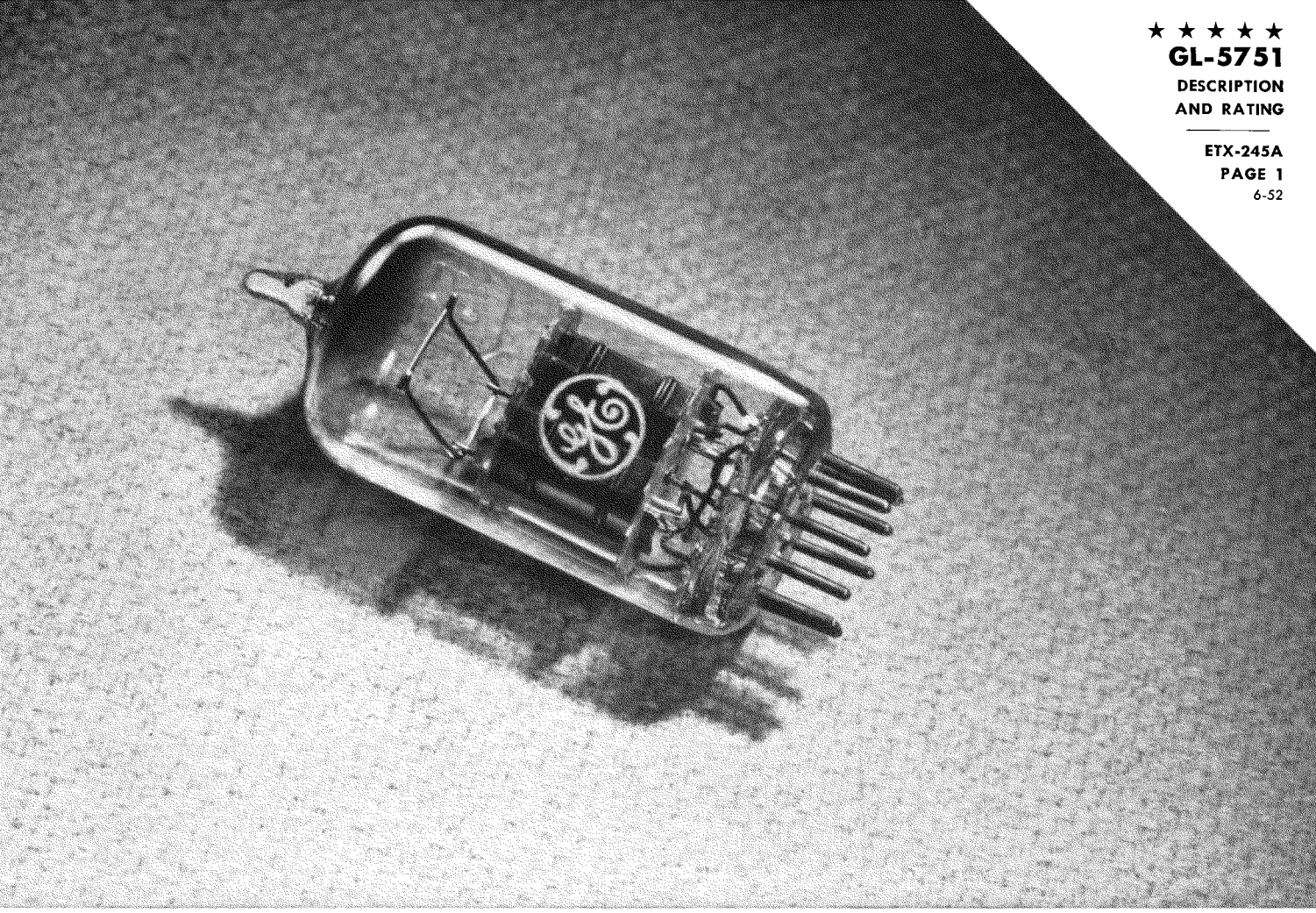


TWIN TRIODE

DESCRIPTION

The GL-5751 is a high-mu nine-pin miniature tube with two triode sections, each of which has an individual cathode connection. The heater may be connected for either series or parallel operation. Distinctive design features of this twin triode result in a sturdy vibration-resistant tube for industrial or other applications where dependable operation under rigorous service conditions is a necessity. It is also well adapted to intermittent service conditions. To provide a safety factor in cathode performance, the heater current is slightly higher than in conventional tubes of this type.

TECHNICAL INFORMATION

GENERAL

Electrical Data

Cathode—Coated unipotential	Parallel	Series	
Heater voltage (A-c or D-c)	6.3	12.6	volts
Heater current	0.350	0.175	amperes

Mechanical Data

Mounting position—Any
Envelope—T-6½ Glass

Electronic TUBE

GENERAL ELECTRIC

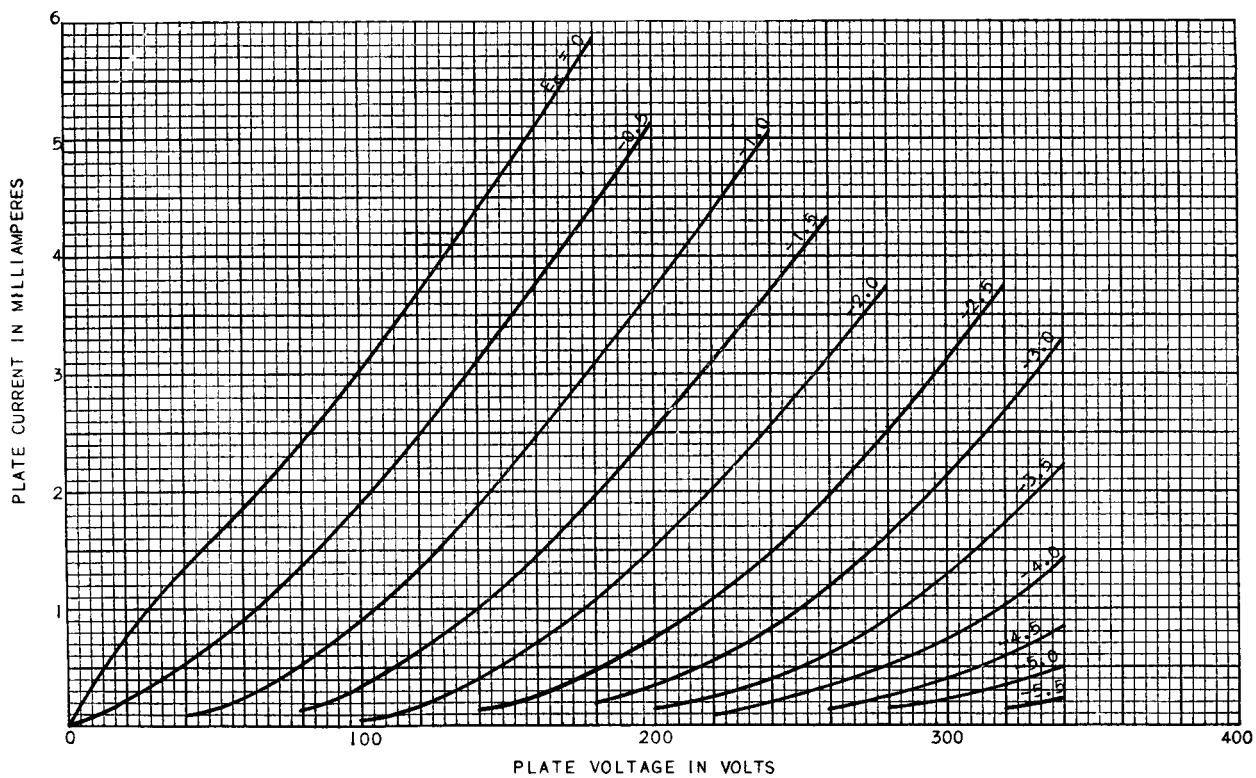
Supersedes ETX-245 dated 5-50

TECHNICAL INFORMATION (CONT'D)

MAXIMUM RATINGS AND TYPICAL OPERATING CONDITIONS

Maximum Ratings	Design Center	Absolute
Plate voltage	300	330 volts
Grid voltage		
Negative-bias value	50	55 volts
Positive-bias value	0	0 volts
Plate dissipation (each section)	1.0	1.1 watts
Peak heater-cathode voltage	90	100 volts
Typical Operation		
Class A amplifier (each triode section)		
Heater voltage	6.3	6.3 volts
Plate voltage	100	250 volts
Grid bias voltage	−1	−3 volts
Amplification factor	70	70
Plate resistance	58000	58000 ohms
Transconductance	1200	1200 micromhos
Plate current	0.8	1.0 milliampere

GL-5751
AVERAGE PLATE CHARACTERISTICS
TRIODE UNIT $E_f = 6.3$ VOLTS



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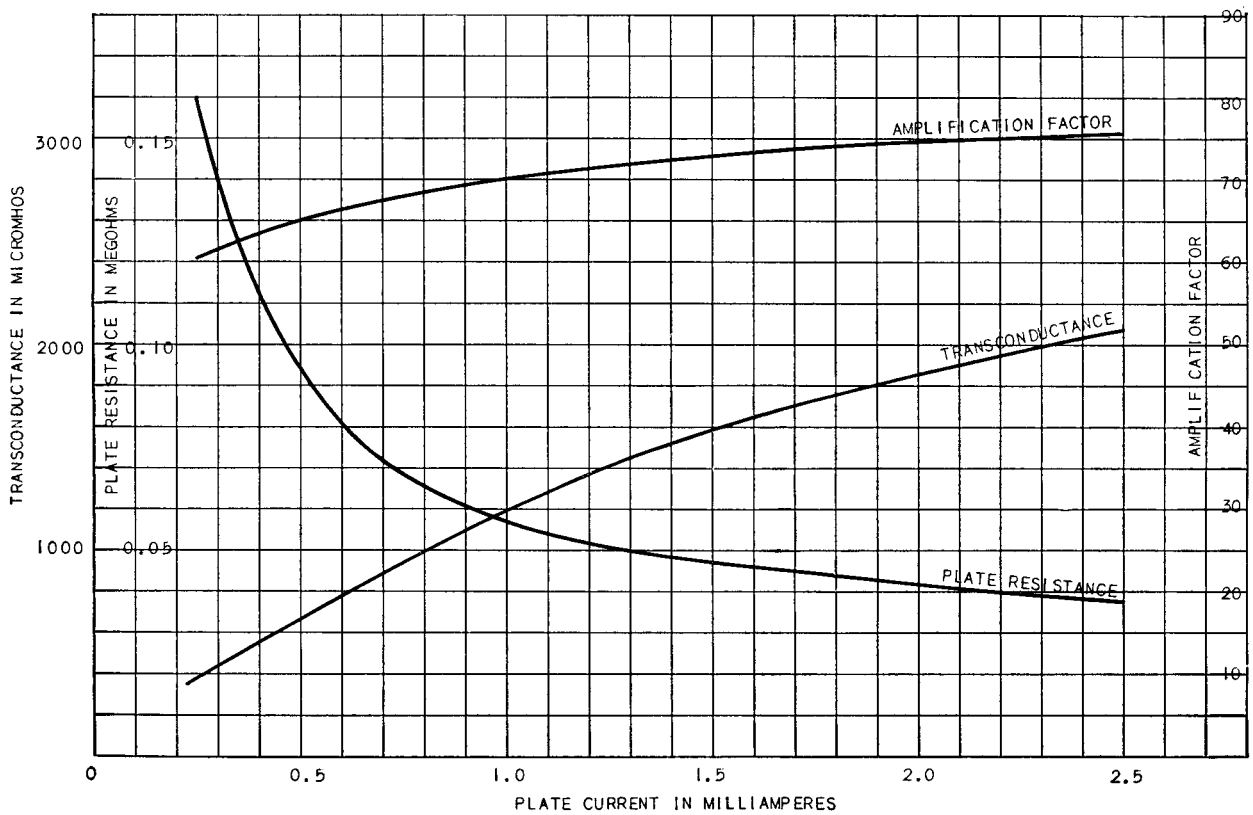
GL-5751
AVERAGE CHARACTERISTICS
$E_f = 250$ VOLTS $E_f = 12.6$ VOLTS



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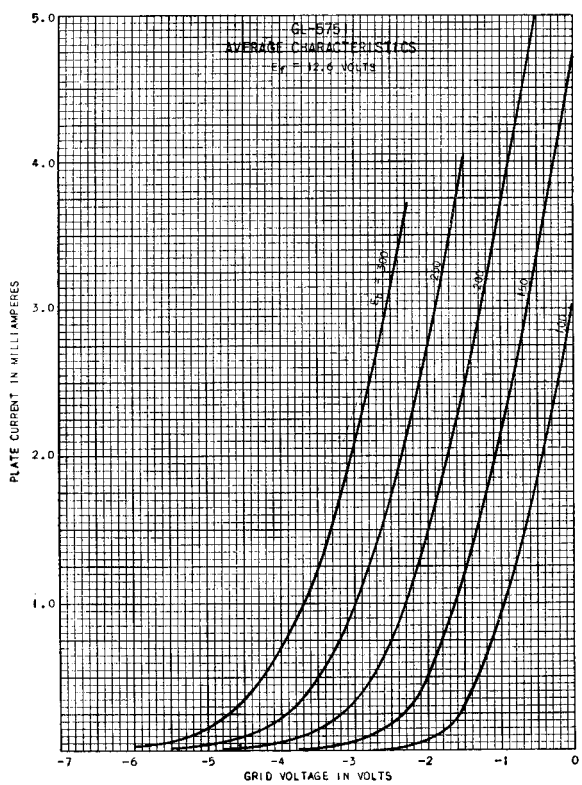

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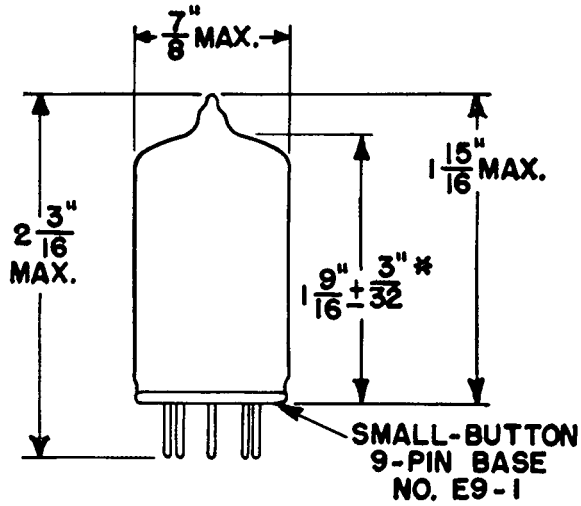
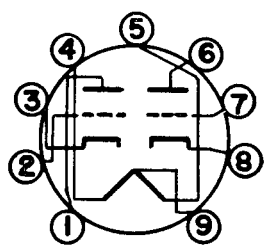
OUTLINE
PLIOTRON GL-5751



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

BASING DIAGRAM



PIN 1: PLATE (SECTION NO. 2)
PIN 2: GRID (SECTION NO. 2)
PIN 3: CATHODE (SECTION NO. 2)
PIN 4: HEATER
PIN 5: HEATER
PIN 6: PLATE (SECTION NO. 1)
PIN 7: GRID (SECTION NO. 1)
PIN 8: CATHODE (SECTION NO. 1)
PIN 9: HEATER CENTER-TAP

N-15155AZ 8-10-49

Tube Department
GENERAL ELECTRIC
Schenectady, N. Y.