DESCRIPTION AND RATING

DIODE GL-6215

The GL-6215 is a half-wave high-vacuum rectifier designed for use in high-voltage low-current applications which operate from a 60-cycle supply voltage. The tube is particularly suited for dust precipitator and other industrial applications in which dependable performance is required.

TECHNICAL INFORMATION

GENERAL

Electrical Data

Cathode - Coated Filament

Filament Voltage (A-c or D-c)	1.25	Volts
Filament Current	0.2	Ampere
Direct Interelectrode Capacitance		
Plate to Filament	1.4	uuf

Mechanical Data

Mounting Position - Any
Envelope - T-9 Glass
Base - Short Intermediate-Shell Octal 6-Pin, B6-60

MAXIMUM RATINGS Design Center Values
Rectifier Service at 60 Cycles per Second

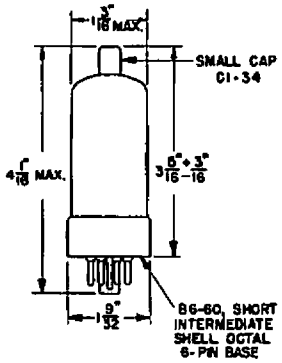
Peak Inverse Plate Voltage	18,000	Volts
Steady-State Peak Plate Current	8.0	Milliamperes
Transient Peak Plate Current (maximum duration 0.2 second)	30	Milliamperes
D-c Output Current	1.0	Milliampere

AVERAGE CHARACTERISTICS

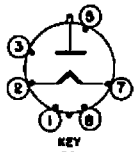
Tube Voltage Drop		
Measured With Applied D-c at 2 Milliamperes	56	Volts

Note: The voltages employed in some high-voltage equipment are sufficiently high that high-voltage rectifier tubes may produce soft x-rays which can constitute a health hazard unless such tubes are adequately shielded. Relatively simple shielding should prove adequate, but the need for this precaution should be considered in equipment design.

from RTMA release #1111, Aug. 1, 1952



BASING DIAGRAM



PIN 1: INTERNAL CONNECTION-DO NOT USE
PIN 2: FILAMENT
PIN 3: INTERNAL CONNECTION-DO NOT USE
PIN 5: INTERNAL CONNECTION-DO NOT USE
PIN 7: FILAMENT AND INTERNAL SHIELD
PIN 8: INTERNAL CONNECTION- DO NOT USE
CAP : PLATE

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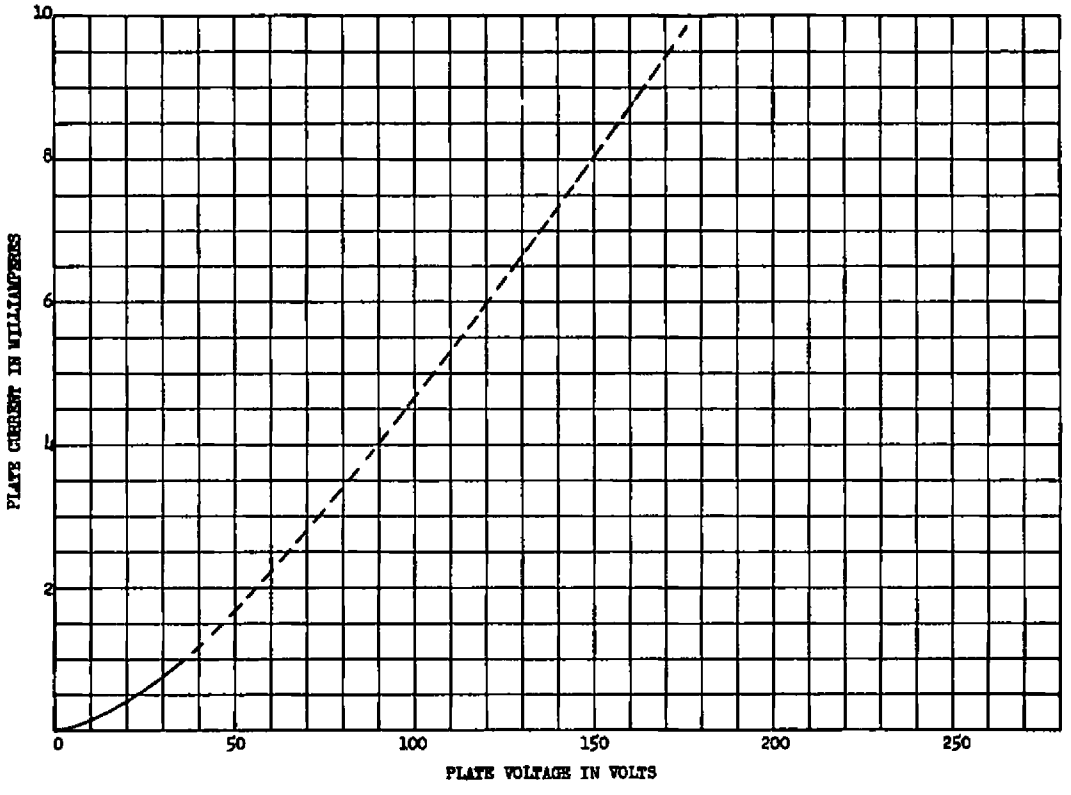
Outline
GL-6215



K-69087-72A541 June 24, 1952

GL-6215
Average Plate Characteristics
E_f = 1.25 Volts

GENERAL ELECTRIC

TUBE DEPARTMENT
SCHENECTADY, NEW YORK