



RADIO MANUFACTURERS ASSOCIATION
ENGINEERING DEPARTMENT

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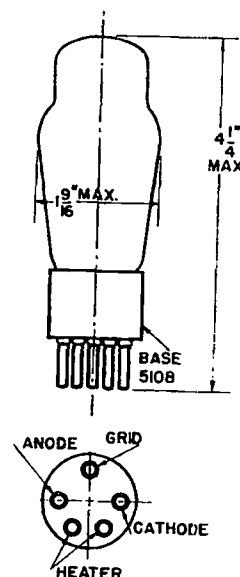
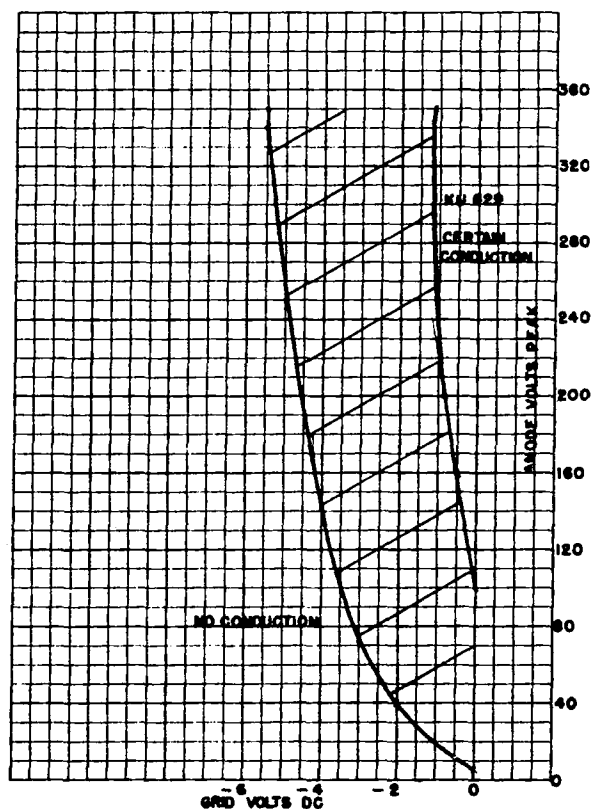
RMA TYPE 629
GRID CONTROLLED GAS RECTIFIER
GENERAL CHARACTERISTICS

sponsor:
Westinghouse Electric Corp.

Air Cooled Triode
Heater Voltage..... 2.5 Volts
Heater Current..... 2.6 Amperes
Cathode Heating Time..... 30 Seconds
Grid Current, Max., just before
Conduction..... 2.5 Microamperes
Ionization Time..... 10 Microseconds
Deionization Time, Max..... 1000 Microseconds
Tube Voltage Drop, Average..... 15 Volts
Capacitance, Grid-Plate..... 3.3 uuf
Capacitance, Grid-Cathode..... 3.3 uuf
Capacitance, Plate-Cathode..... 1.8 uuf
Control Characteristic..... Negative
Mounting Position..... Any

MAXIMUM RATINGS

Anode Voltage, Peak Forward..... 350 Volts
Anode Voltage, Peak Inverse..... 350 Volts
Anode Current, Average..... 0.04 Ampere
Anode Current, Peak..... 0.2 Ampere
Anode Current, Surge, for design only..... 2.0 Amperes
Grid Voltage, Peak Negative..... 90 Volts
Grid Current, Average, Anode Positive..... 0.4 Milliampere
Grid Current, Peak Anode Positive..... 20 Milliampere
Heater to Cathode Voltage Range..... -45 to +5 Volts
Averaging Time, Anode and Grid Currents..... 10 Seconds
Temperature Range..... -40° to +70° C



Space between limiting curves indicates variations which may be expected in individual tubes initially and throughout life when operated within the specified temperature range.