RMA TYPE 627
GRID CONTROLLED MERCURY VAPOR RECTIFIER

GENERAL CHARACTERISTICS
Air Cooled Triode
Filament Voltage ........................................ 2.5 Volts
Filament Current .......................................... 6 Amperes
Filament Heating Time .................................... 10 Seconds
Grid Current, Max., just before
Conduction, Grid Negative .......................... 4 Microamperes
Ionization Time, Max. .................................. 10 Microseconds
Deionization Time, Max. .............................. 1000 Microseconds
Tube Voltage Drop, Average ......................... 12 Volts
Capacitance, Anode-Grid .......................... 2.5 uuf
Control Characteristic .............................. Negative
Mounting Position ........................................ Pin Base Down
Temperature, Optimum, Condensed
Mercury ........................................... "40° to 45° C
*Masured at top edge of base.

MAXIMUM RATINGS
Up to 150 Cycles
Anode Voltage, Peak Forward ..................... 1250 Volts
Anode Voltage, Peak Inverse ....................... 2500 Volts
Anode Current, Average .......................... 0.64 Amperes
Anode Current, Peak ................................ 2.3 Amperes
Anode Current, Surge, for design only ........ 25 Amperes
Grid Voltage, Peak Negative, before Conduction.. 500 Volts
Grid Current, Average Positive, Anode Positive.. 0.06 Ampere
Grid Current, Peak Positive, Anode Positive .... 0.25 Ampere
Averaging Time, Anode and Grid Currents ........ 30 Seconds
Temperature Range, Condensed Mercury ........ "25° 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.