

RADIO MANUFACTURERS ASSOCIATION ENGINEERING DEPARTMENT

Release No. 516

September 5, 1946

RMA TYPE 677

GRID CONTROLLED MERCURY VAPOR RECTIFIER

GENERAL CHARACTERISTICS

Air Cooled Triode	
Heater Voltage	Volts
Heater Current	10 Amperes
Cathode Heating Time	5 Minutes
Grid Current, Max., just before Conduction, Grid Negative	.5 Microamperes
Ionization Time, Max	10 Microseconds
Deionization Time, Max10	000 Microseconds
Tube Voltage Drop	12 Volts
Capacitance, Anode—Grid	5 uuf
Control Characteristic	Negative
Mounting Position	Pin Base Down
Temperature, Optimum, Condensed	*******
Mercury	"35" to 45" C

sponsor:

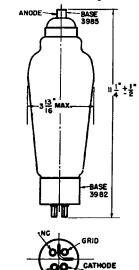
Westinghouse Electric Corp.

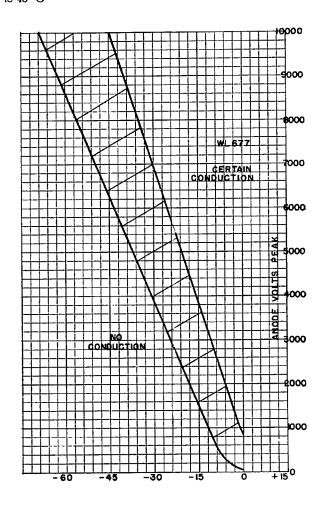
MAXIMUM RATINGS

Up to 150 Cycles

*These ratings apply only when the tube is used in circuits which limit the short circuit current to the values given.

"Measured at top edge of base.





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