



RMA TYPE 676

**GRID CONTROLLED MERCURY VAPOR
RECTIFIER**

sponsor:
Westinghouse Electric Corp.

GENERAL CHARACTERISTICS

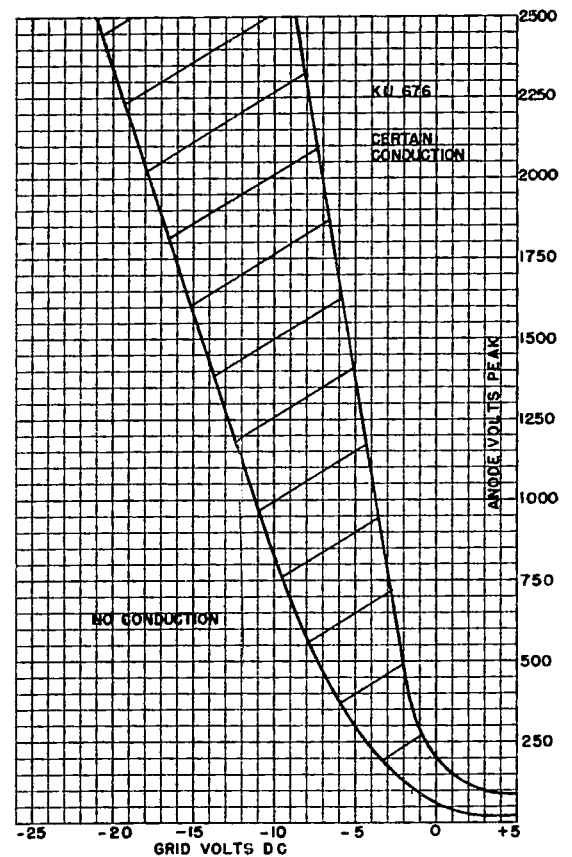
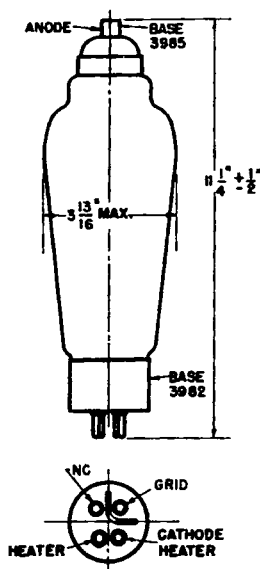
Air-Cooled Triode
Heater Voltage.....5 Volts
Heater Current.....10.0 Amperes
Cathode Heating Time.....5 Minutes
Grid Current, Max., just before
Conduction, Grid Negative.....5 Microamperes
Ionization Time, Max.....10 Microseconds
Deionization Time, Max.....1000 Microseconds
Tube Voltage Drop.....12 Volts
Capacitance, Anode—Grid.....5 uuf
Control Characteristic.....Negative
Mounting Position.....Pin Base Down
Temperature, Range, Optimum,
Condensed Mercury.....*45° to 55° C

MAXIMUM RATINGS

Up to 150 Cycles

	Continuous Service	Welder Control Service
Anode Voltage, Peak Forward.....	2500 Volts	750 Volts
Anode Voltage, Peak Inverse.....	2500 Volts	750 Volts
Anode Current, Average.....	6.4 Amps.	2.5 Amps.
Anode Current, Peak.....	40 Amps.	77 Amps.
Anode Current, Surge, for design only.....	200 Amps.	200 Amps.
Grid Voltage, Peak Negative, before Conduction...	500 Volts	500 Volts
Grid Current, Average Positive, Anode Positive...	0.25 Amp.	0.25 Amp.
Grid Current, Peak Positive, Anode Positive.....	1 Amp.	1 Amp.
Averaging Time, Anode and Grid Currents.....	15 Sec.	5 Sec.
Temperature Range, Condensed Mercury.....	*40 to 80°C	*40° to 90° C

*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.