GRID CONTROL RECTIFIER TUBE
Xenon Gas Filling

Maximum Rated Anode Current
D-c. Meter Value — Continuous .................. 4.0 amps
D-c. Meter Value — Overload less than 3 sec. .... 8.0 amps
Averaging Time .................................... 15 secs
Oscillograph Peak — Continuously recurring ....... 50 amps
Peak Forward Voltage (Max. Instantaneous) ....... 1700 volts
Peak Inverse Voltage (Max. Instantaneous) ........ 1700 volts
Max. Commutation Factor (V/μsec x A/μsec) ...... 130
Min. Frequency .................................... 25 cycles

Filament
Voltage ............................................. 2.5 volts
Current ............................................ 17 ± 2 amps
Heating Time (minimum) .......................... 60 secs

Average Arc Drop
Average Tube .................................... 11 volts
Highest Tube ..................................... 15 volts

Anode Starting Voltage @ ±3V d-c grid voltage
Average Tube .................................... 40 volts
Highest Tube ..................................... 80 volts

Max. Anode Reverse Current ...................... 100 μamps

Grid Characteristics
Critical Grid Voltage @ 1700 p.f.v. .............. −10.0 to −20.0 volts
Critical Grid Current .............................. Less than 20 μamps
Grid-Anode Capacitance ......................... approx. 5 μf
Grid-Filament Capacitance ....................... approx. 21 μf

Maximum Negative Grid Voltage .................. 100 volts

Deionization Time ................................ Less than 1000 μsecs
Max. Peak A-c Fault Current (Max. duration 0.1 sec.) 500 amps

Ambient Temperature Limits ..................... −55° to +75° C

Overall Dimensions ............................... (See outline drawing on back page)

The filament must be lit before drawing load current.
The above values are for return to filament transformer center tap.
Filament phasing during conduction must be as indicated on drawings.
The Engineering Manual contains additional information which should be considered in circuit design.

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