RECTIFIER TUBE

EL 302.5
RMA Type 3B21

Full-wave Rectifier
Graphite Anodes and Argon Gas Filling

D-c. Amperes Output (Max. Rated)
D-c. Meter Value - Continuous 1
D-c. Meter Value - Surges less than 3 sec. 1.25
Oscillograph Peak - Continuously recurring 3

Peak Inverse Volts (Max. Instantaneous) 500
A-c. Volts per Anode See table below 25-175

Average Arc Drop Volts
Highest Tube 12
Average Tube 9

Filament
Volts 2.5
Amperes 5.5±0.5
Heating Time Approx. 15 sec.

Starting Volts (Instantaneous)
Highest Tube 30
Average Tube 20

Max. A-c. Short-circuit Current (0.1 sec.) 60A

Overall Dimensions 2-5/8 x 5-5/8" x 1¼" 2 ozs.

Weight
Connections 4-prong UX Radio Base
Ambient Temperature Limits -40 to +65°C

The maximum anode voltage rating of the tube depends upon
the maximum current output as is shown in the following table:

<table>
<thead>
<tr>
<th>Maximum D-c. Amperes Output</th>
<th>Maximum A-c. Volts per Anode</th>
</tr>
</thead>
<tbody>
<tr>
<td>Continuous</td>
<td>Surge</td>
</tr>
<tr>
<td>1.0</td>
<td>1.25</td>
</tr>
<tr>
<td>1.25</td>
<td>1.5</td>
</tr>
</tbody>
</table>

These ratings are based on reasonably steady load condi-
tions. If the load fluctuates violently from one second to
the next it is advisable to operate the tube well below rated
current.

It is preferable, but not essential, to light the fila-
ment before applying d-c. load. If omitted, each cold start
at 1 ampere, 145 volts per plate consumes approximately one
hour of tube life.

ELECTRONS, INC. of Delaware
127 Sussex Avenue
Newark, N. J.

10/10/42 from EIA registration # 308, Oct. 28, 1942