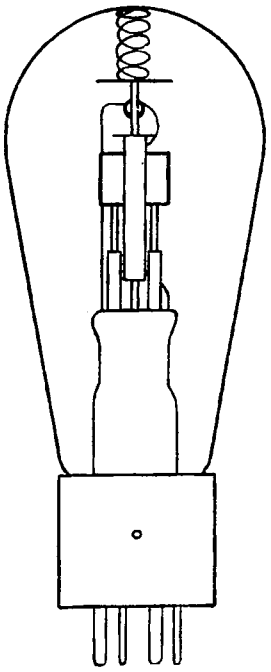
RMA Release # 308

10/28/42

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±¼"
Weight	2 Ozs.
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:

Maximum D-c. Amperes Output			Maximum A-c.
Continuous	Surge	Oscillograph	Volts per Anode
0.4	0.5	1.2	175
1.0	1.25	3.0	145
1.25	1.5	3.75	55

These ratings are based on reasonably steady load conditions. 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 filament 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.

from EIA registration # 308, Oct. 28, 1942