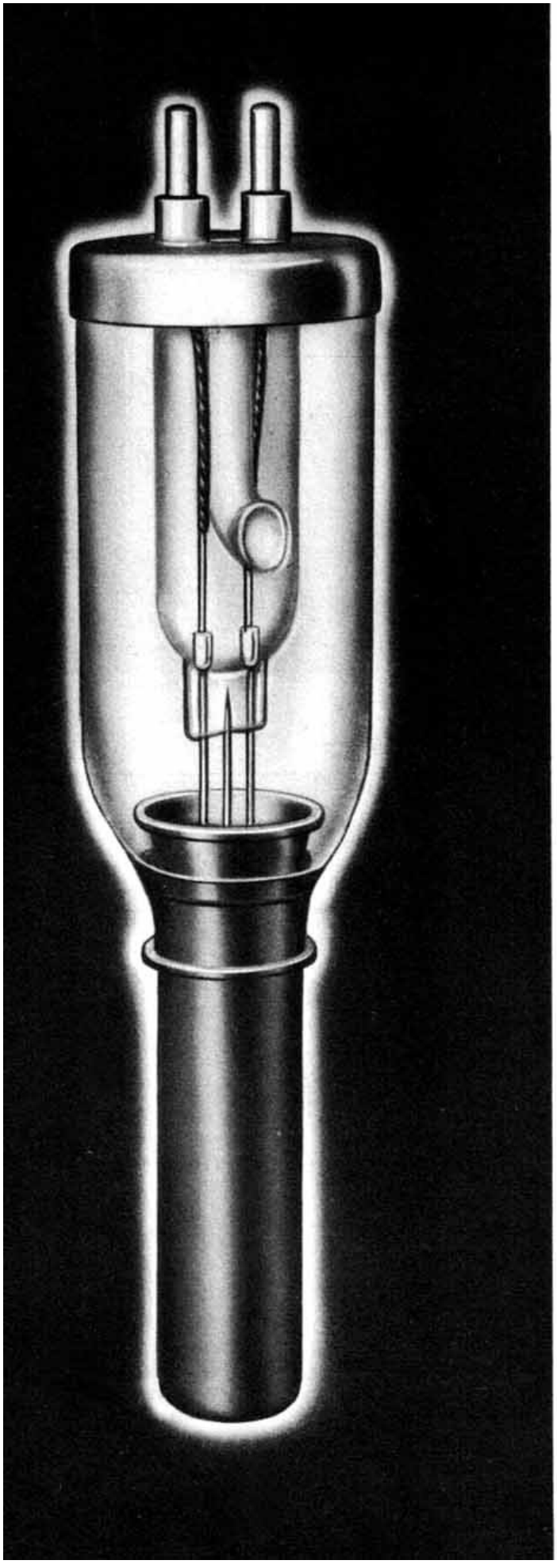


FEDERAL

F-322-A
HALF WAVE
RECTIFIER

TECHNICAL DATA

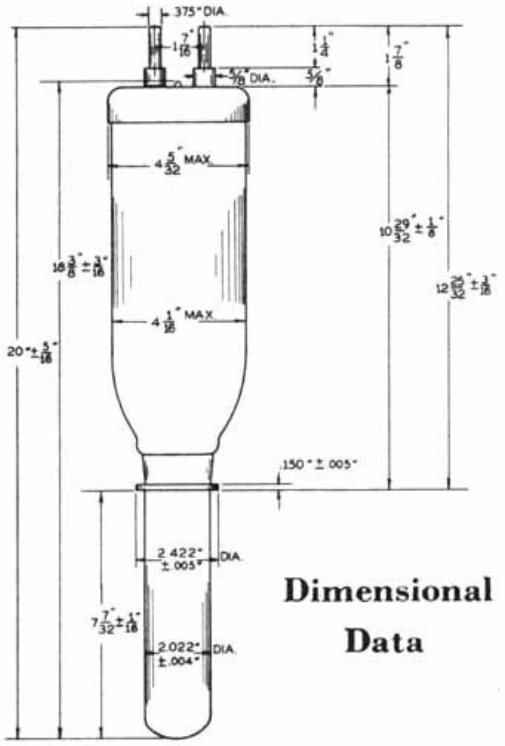
No. of Electrodes	2
Filament Voltage — Max. Peak Plate Current	
21.5 volts	5.5 amperes
20.0 volts	4.5 amperes
20.5 volts	3.5 amperes
20.0 volts	2.8 amperes
19.5 volts	2.0 amperes
Filament Current	41 amperes
Type	Tungsten
Maximum Peak Inverse Voltage	50,000 volts
Overall Dimensions	
Maximum Length	21 inches
Maximum Diameter	4-5/32 inches
Type Base	Standard
Type of Cooling	Water
Recommended Water Flow	8 gal. per min.
Water Jacket	Standard or Federal Type 1005-B

The information herein by no means represents exact conditions of operation to be imposed for any particular situation. Since tubes are used under many widely different conditions the manufacturer will gladly furnish information regarding characteristics for design purposes.

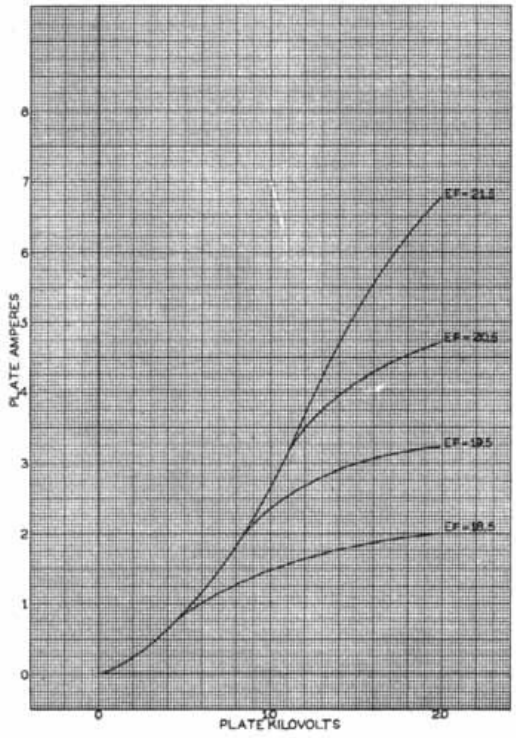
Manufactured by

FEDERAL TELEGRAPH CO.
200 Mt. Pleasant Avenue Newark, N. J., U. S. A.

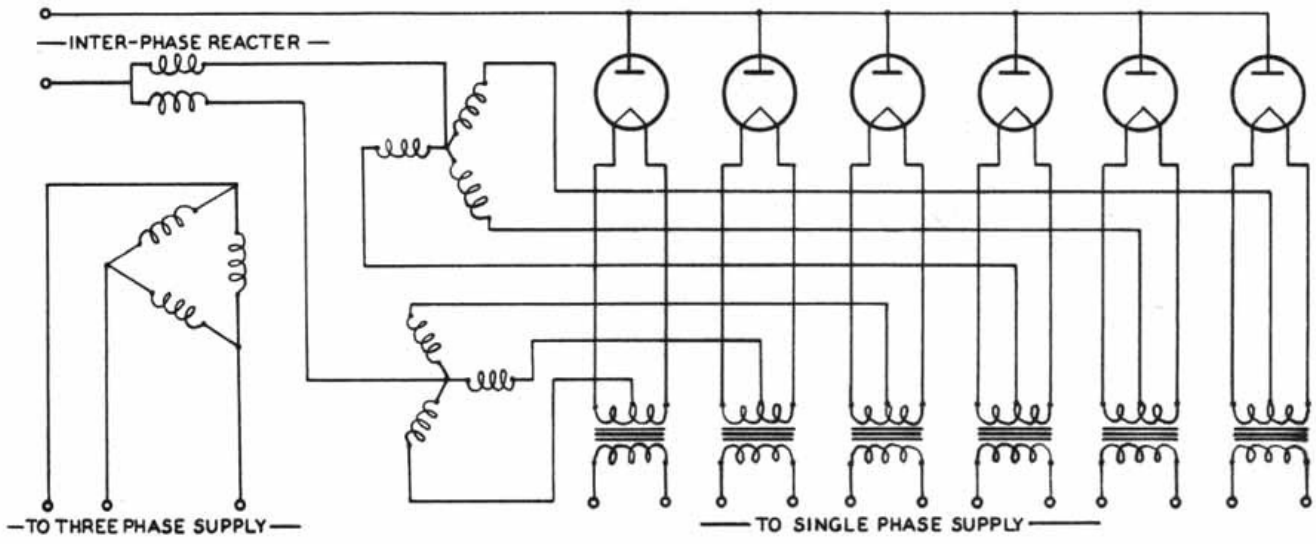
F-322-A HALF WAVE RECTIFIER



Dimensional Data



— TYPICAL RECTIFIER CIRCUIT —



Transformer secondary voltage per leg RMS	0.855
Transformer secondary current per leg RMS	0.289
Transformer secondary KVA	1.48
Transformer primary KVA	1.05
Peak inverse voltage across tubes	2.42
Peak current per tube	0.500

The above values are given in terms of the average DC values and are based on the use of an input choke of sufficient inductance to hold the output current essentially constant. Tube voltage drop and transformer resistance are not taken into consideration in the above data. Tube voltage drop may be obtained from the above curves.