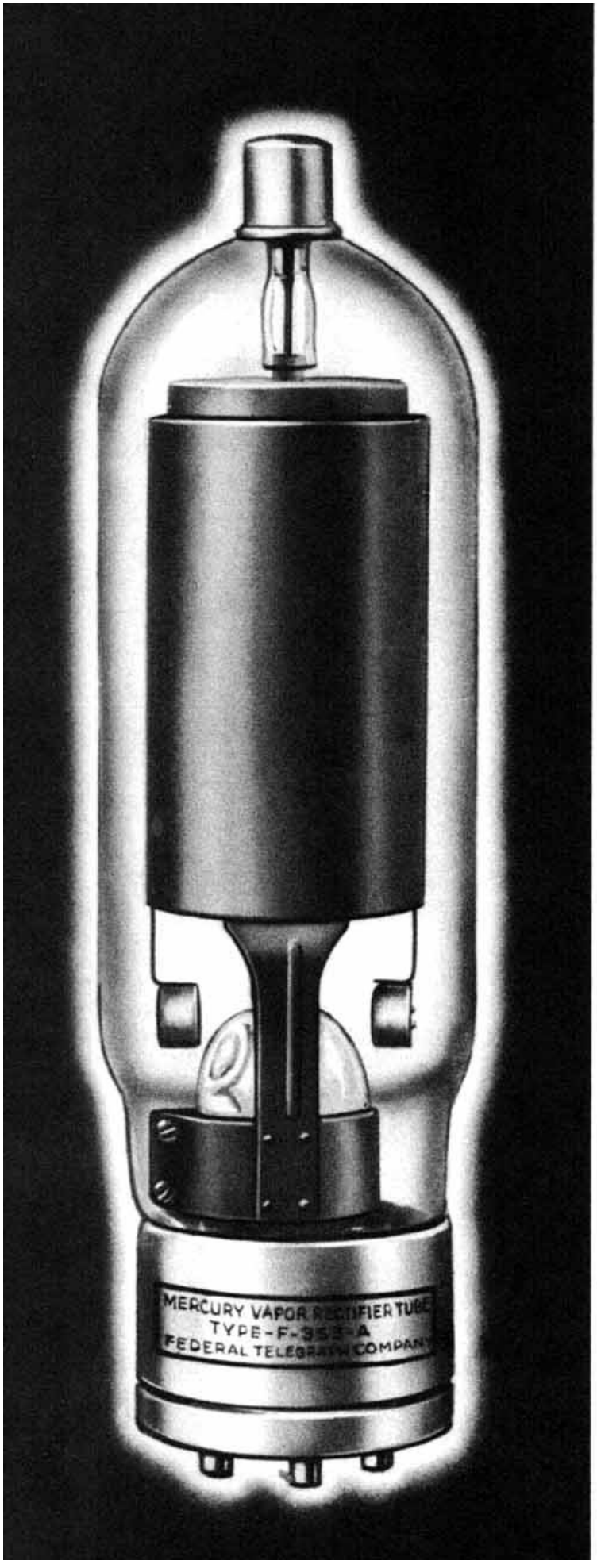


FEDERAL

F-353-A
HALF WAVE
RECTIFIER

TECHNICAL DATA

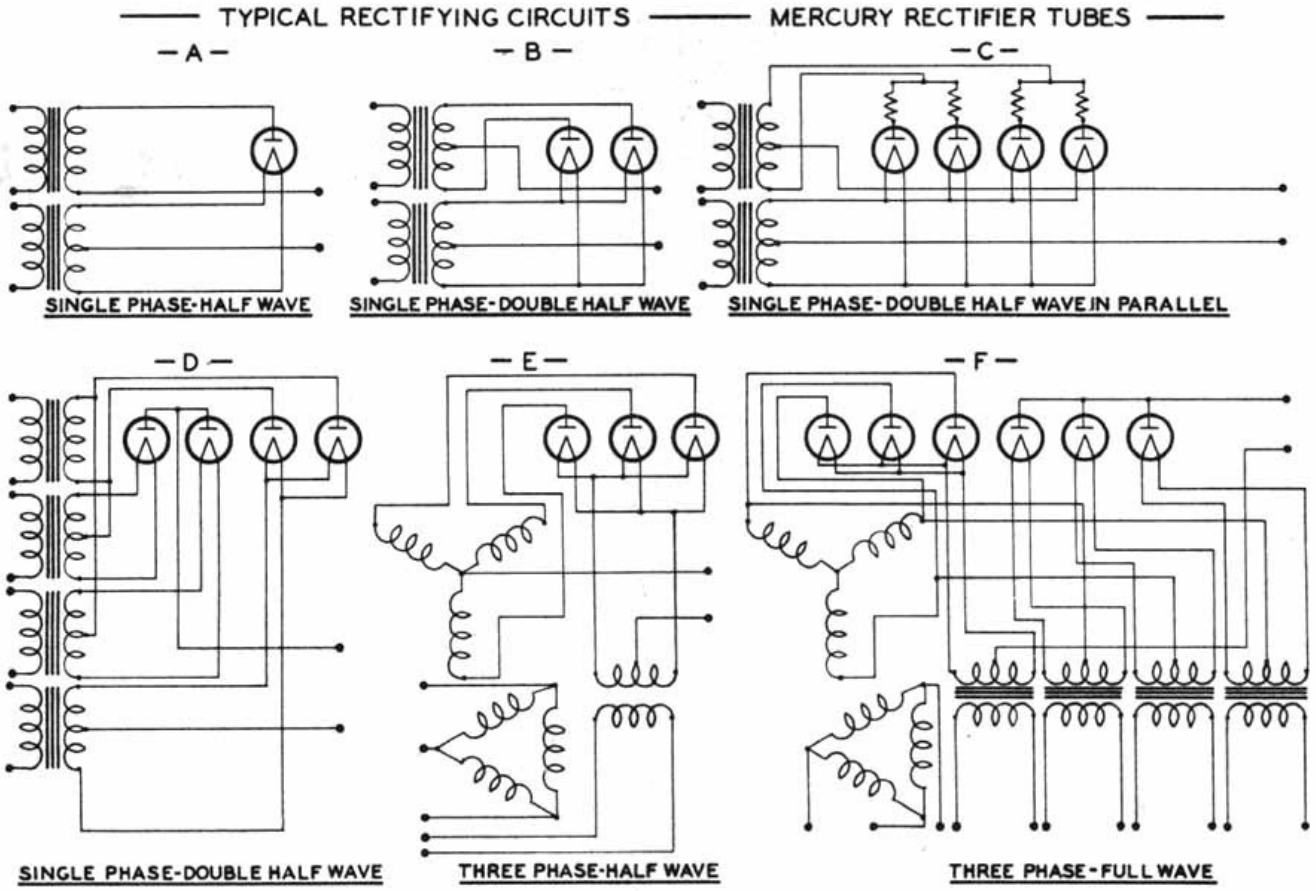
No. of Electrodes	2
Filament Voltage	5 volts
Current	6.75 amperes
Heating Time	30 seconds
Maximum Average Current	1.25 amperes
Maximum Peak Current	5.0 amperes
Maximum Peak Inverse Voltage	10,000 volts—Ambient Temperature 15°—50°C. 5,000 volts—Ambient Temperature 15°—70°C.
Overall Dimensions	
Maximum Length	8½ inches
Minimum Length	8¼ inches
Maximum Diameter	2⅜ inches
Type Base	Standard 50 watt
Mounting	Standard 50 watt
Recommended Operating Ambient Temperature Range	15°—60°C.

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-353-A HALF WAVE RECTIFIER



Typical rectifying circuits in which Type F-353-A may be employed are illustrated above. The approximate D.C. output current and voltage for each type of rectifying circuit shown, when tubes are operated at maximum permissible space current and inverse voltages, are given in the following table:

Circuit	*No. of Tubes*	*Input Voltage R.M.S.*	*Approx. D.C. Output Volts*	*Amperes*
A	1	7,000 per tube	3200	1.25
B	2	3,500 per tube	3200	2.5
C	4	3,500 per tube	3200	5.0
D	4	7,000 per 2 tubes	6400	2.5
E	3	4,100 per leg	4800	3.75
F	6	4,100 per leg	9600	3.75

The above values are for rectifiers working into filters the input inductance of which is sufficient to maintain the output current substantially constant. Pure sine waveform of the power source is assumed. Transformer regulation and voltage drops in tubes and filter are neglected.