

FEDERAL TELEGRAPH CO.

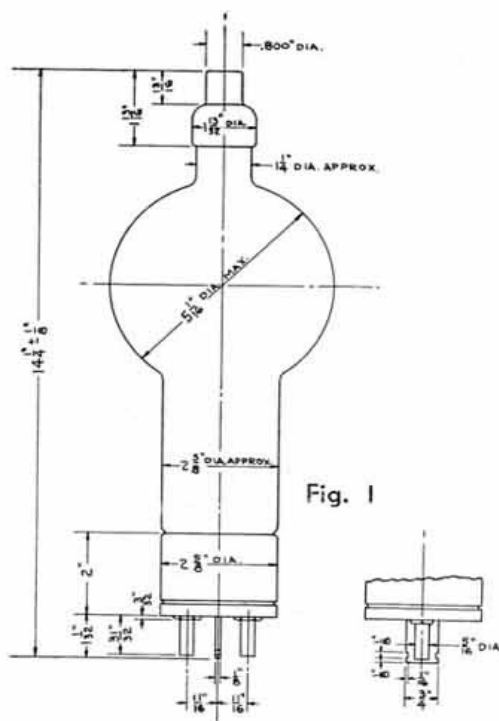
Federal Type F-369-A Half Wave Rectifier

(Interchangeable with UV-869, UV-869-A and WE-255-A)

RATINGS AND DATA

Main Use	Half Wave Rectifier
No. of Electrodes	2
Filament Voltage	5 volts
Current	20 amperes
Type	Oxide Coated
Heating Time	60 seconds
Maximum Peak Current	5 amperes
Maximum Peak Inverse Voltage	20,000 volts
Overall Dimensions	
Maximum Length	14 $\frac{3}{8}$ inches
Minimum Length	14 $\frac{1}{8}$ inches
Maximum Diameter	5-1/16 inches
Type Base and Cap	Standard
Mounting	Standard or Federal Type 1004-A
Type of Cooling	Air
Recommended Operating Ambient Temperature Range	0-50°C.

The above information by no means represents exact conditions of operation to be imposed for any particular situation. Tubes are used under many widely different conditions and consequently the manufacturer should be consulted for information regarding characteristics for design purposes.



FEDERAL engineers have greatly improved this type of mercury vapor tube by shielding it. In the F-369-A the arc is confined within the shield which reduces bulb blackening and practically eliminates the effect of extraneous modulated and unmodulated high frequency fields.

A special filament core material insures permanency of the oxide coating and prevents flaking.

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200 Mt. Pleasant Ave.
Newark, N. J.

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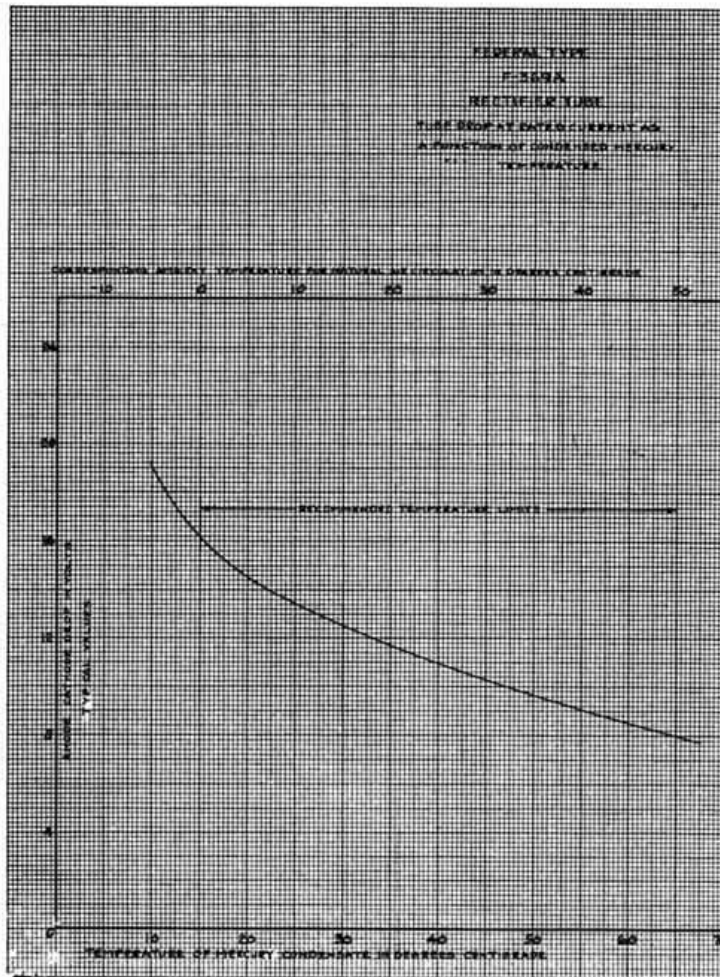


Fig. 2

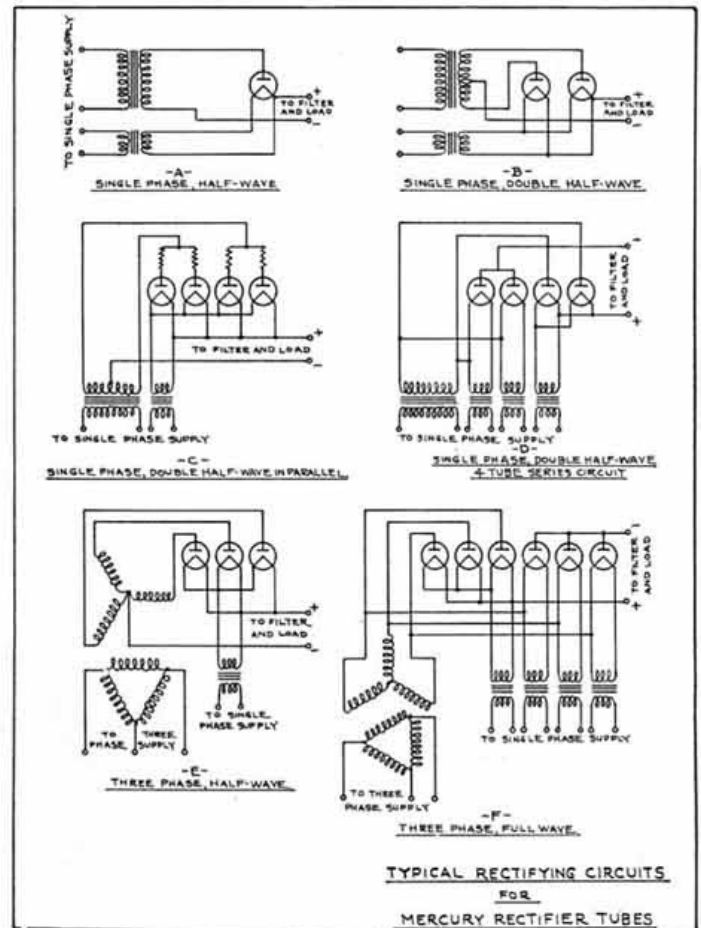


Fig. 3

Circuit	No. of Tube	Input Voltage R.M.S.	Approximate D.C. Volts	Output Amperes
A	1	14000 per tube	6300	1.63
B	2	7000 " "	6300	3.25
C	4	7000 " "	6300	6.5
D	4	14000 per 2 tubes	12500	3.25
E	3	8250 " leg	9500	4.0
F	6	8250 " "	19200	5.0

The above values are based upon ideal sine wave conditions. Any voltage drop in the filter must be subtracted from the D.C. output voltage given. Normal operating conditions must be determined for each individual installation.