

FEDERAL TELEGRAPH CO.

Rectifier Tube Type F-353-A

(Interchangeable with UV 872 and UV 872-A)

RATINGS AND DATA

Main Use	Half Wave Rectifier
No. of Electrodes	2
Filament Voltage	5 volts
Current	6.75 amperes
Type	Oxide Coated
Heating Time	30 seconds
Maximum Peak Current	2.5 amperes
Maximum Peak Inverse Voltage	10,000 volts
Overall Dimensions	
Maximum Length	8 1/2 inches
Minimum Length	8 1/4 inches
Maximum Diameter	2 3/8 inches
Type Base	Standard 50 Watt
Mounting	Standard 50 Watt
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.

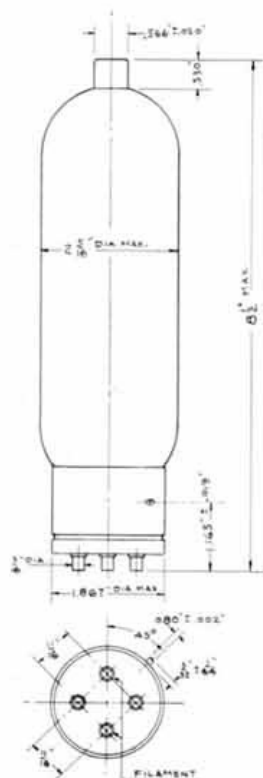
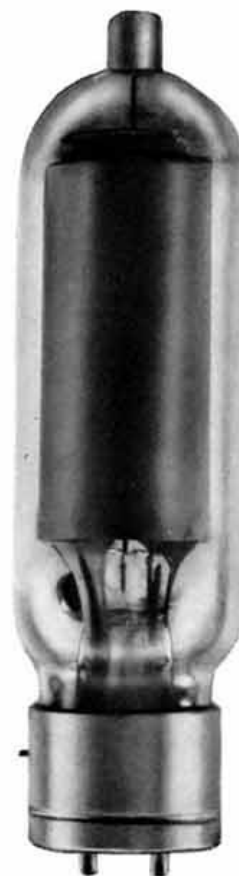


Fig. 1



Complete shielding and lower filament power consumption of the F-353-A has enabled us to give this tube a higher inverse peak voltage rating than the F-372-A which it replaces. Bulb blackening and the effects of extraneous modulated and unmodulated R.F. fields have been reduced to a minimum.

The F-353-A is economical to operate because of its decreased filament current rating and increased life expectancy.

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200 Mt. Pleasant Ave.

Newark, N. J.

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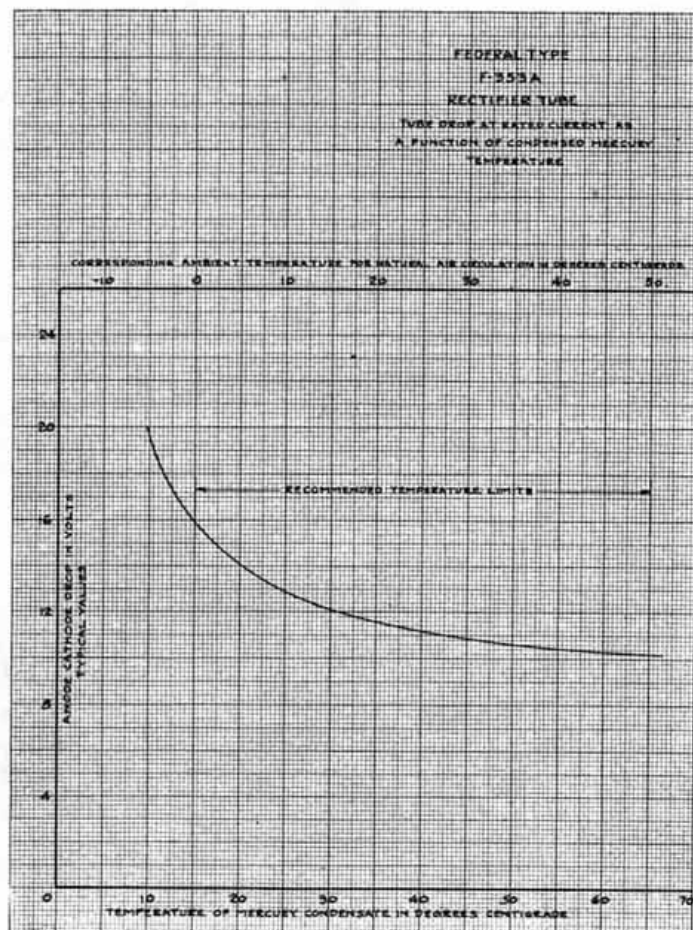


Fig. 2

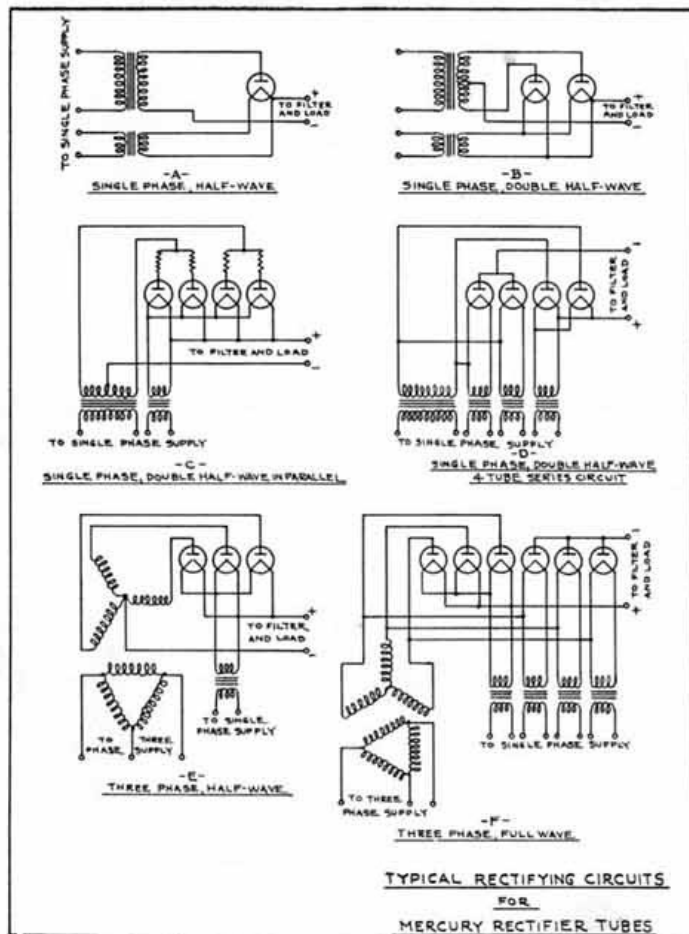


Fig. 3

Circuit	No. of Tubes	Input Voltage R.M.S.	Approximate D.C. Volts	Output Amperes
A	1	7000 per tube	3200	0.8
B	2	3500 " "	3200	1.6
C	4	3500 " "	3200	3.2
D	4	7000 " 2 tubes	6400	1.6
E	3	4100 " leg	4800	2.0
F	6	4100 " "	9600	2.5

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.