FEDERAL TELEGRAPH CO.

Federal Type F-332-A Vacuum Tube

(Interchangeable with WE-232-A)

RATINGS AND DATA

Main Use	Oscillator and Power Amplifier
No. of Electrodes	3
Filament Voltage	20 volts
Current	61 amperes
Type	Tungsten
Average Characteristic Values Calculated at Eb = 10,000, Ec = 0, Ef = 20 volts.	
Plate Current	0.9 amperes
Amplification Factor	40
Plate Resistance	7,000 ohms
Mutual Conductance	5,700 micromhos
Approximate Direct Inter-electrode Capacities	
Plate to Grid	26 mmf.
Grid to Filament	20 mmf.
Plate to Filament	2 mmf.
Overall Dimensions	
Maximum Length	21 inches
Maximum Radius	5 9/16 inches
Type Base	Standard
Mountings	Standard
Type of Cooling	Water
Operating Limits	
Maximum Plate Voltage	20,000 volts
Maximum D.C. Plate Current	3 amperes
Maximum Plate Dissipation	25,000 watts
Maximum R.F. Grid Current	30 amperes
Maximum D.C. Grid Current	0.300 amperes
Water Jacket	Standard or Federal Type 1005-A

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 TELEGRAPH COMPANY water cooled tubes are made from the best materials obtainable, are sturdy in construction, uniform as to characteristics, and embody the following exclusive design features.

Sturdy Tripod grid support combining unique heat dissipation features.

Tipless stem insuring perfect alignment of internal elements.

Rugged grid seal exclusive in FEDERAL tubes making them capable of carrying higher radio frequency grid currents than most other tubes on the market.

FEDERAL TELEGRAPH CO.
200 Mt. Pleasant Ave.
Newark, N. J.

(OVER)

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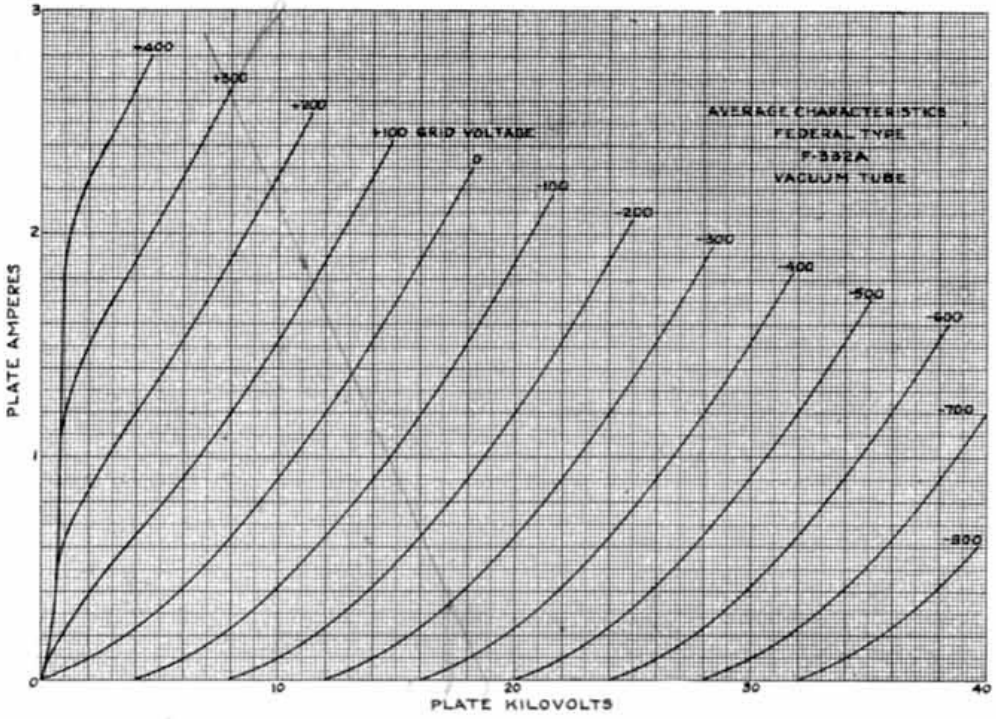

Fig. 2

Average Characteristics

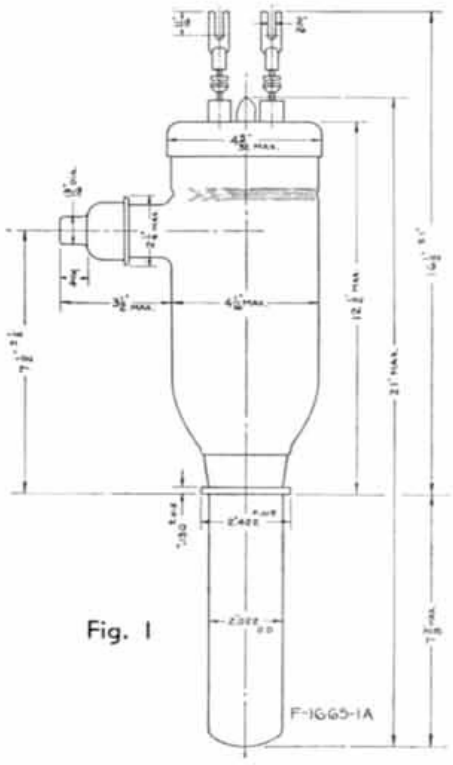

Fig. 1

Outline Drawing