

FEDERAL TELEGRAPH CO.

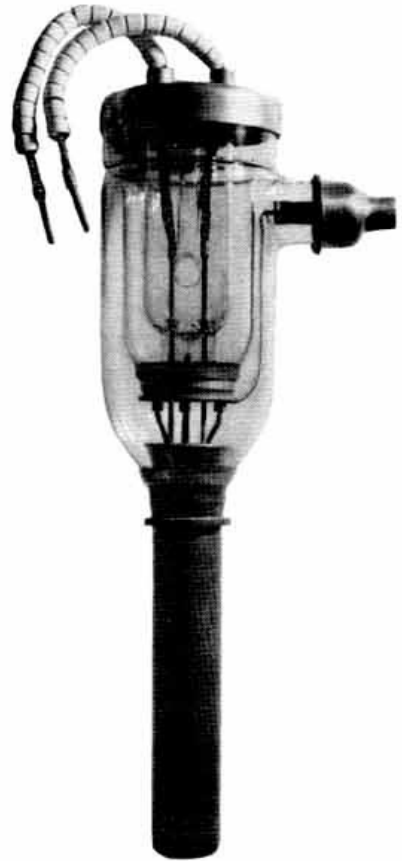
Federal Type F-3652-A Vacuum Tube

(Interchangeable with RCA-1652)

RATINGS AND DATA

Main Use	General Purpose
No. of Electrodes	3
Filament Voltage	14.5 volts
Current	52 amperes
Type	Tungsten
Average Characteristic Values Calculated at Eb = 5,000 volts, Ec = 0, Ef = 14.5 volts.	
Plate Current	1.85 amperes
Amplification Factor	14
Plate Resistance	2600 ohms
Mutual Conductance	5400 micromhos
Approximate Direct Inter-electrode Capacities	
Plate to Grid	27 mmf.
Grid to Filament	18 mmf.
Plate to Filament	2 mmf.
Overall Dimensions	
Maximum Length	20 1/4 inches
Maximum Radius	5-1/16 inches
Type Base	Standard
Mounting	Standard
Type of Cooling	Water
Operating Limits	
Maximum Plate Voltage	7,500 volts
Maximum D.C. Plate Current	1.25 amperes
Maximum Plate Dissipation	5,000 wattss
Maximum R.F. Grid Current	10 amperes
Maximum D.C. Grid Current	.075 amperes
Water Jacket	Standard or Federal Type 1000-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.

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