



# Federal Tubes Available for Amateur Use

## Characteristics of the F-108-A

Filament potential.....10 volts  
Filament current.....11 amps.  
**Average characteristics with plate potential of 1500 volts and zero grid potential:**

Average plate current.....0.130 amps.

Average plate resistance.....8500 ohms

Average amplification factor.....12

Mutual conductance.....1400  $\mu$ mhos

**Approximate direct interelectrode capacities:**

Plate to grid.....7  $\mu$ fd.

Plate to filament.....2  $\mu$ fd.

Grid to filament.....3  $\mu$ fd.

Maximum operating plate potential

3000 volts

Maximum plate current.....0.200 amps.

Maximum continuous plate

dissipation.....175 watts

Maximum overall length.....11 inches

Maximum width.....7 inches

**Net Price \$34.50**

THE F-108-A, a member of the Federal family of high-power transmitting and rectifier tubes, is particularly suitable for amateur use. Extremely low interelectrode capacity, small internal inductance and high interelectrode insulation make it a highly satisfactory oscillator or amplifier for frequencies up to 120 megacycles. Designed, as are all Federal tubes, for the exacting requirements of commercial service, it is rugged, efficient and manufactured to rigid standards.

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## FEDERAL TELEGRAPH COMPANY

QST,

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