

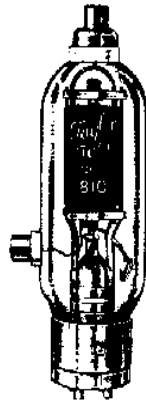
Taylor



Tubes

R.F. POWER AMPLIFIER AND OSCILLATOR, CLASS C

| | C.C.S. | I.C.A.S. |
|--|--------|----------|
| Plate Volts, D. C., max..... | 2000 | 2250 |
| Plate Current, D. C., milliamperes, max..... | 250 | 275 |
| Plate Input, watts, max..... | 500 | 620 |
| Plate Dissipation, watts, max..... | 125 | 150 |
| Plate Volts & Input Max. % for 30 MC, % | 100 | 100 |
| Plate Volts & Input Max. % for 60 MC, % | 70 | 70 |
| Plate Volts & Input Max. % for 100 MC, % | 50 | 50 |
| Grid Volts, D. C., max..... | -500 | -500 |
| Grid Current, D. C., milliamperes, max..... | 70 | 70 |



810

AMPLIFIER AND OSCILLATOR TRIODE
125 WATTS PLATE DISSIPATION

\$13.50

The Taylor 810 is a general purpose Triode rated for full input on frequencies up to 30 MC, and at 50% up to 100 MC. The 810 design incorporates features that insure long, safe operation in Transmitters, Diathermy equipment and Induction Heating Apparatus.

TYPICAL OPERATION

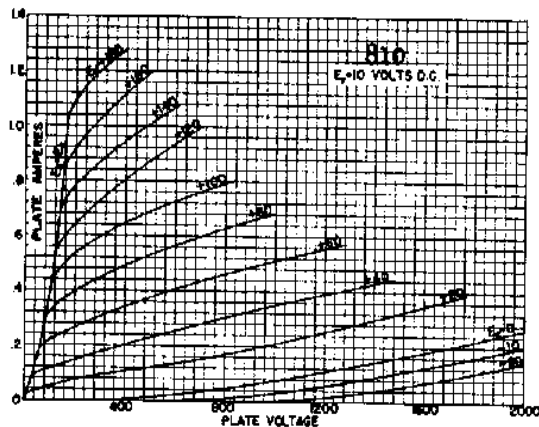
| | | | |
|------------------------------------|------|------|------|
| Plate Volts, D. C. | 1500 | 2000 | 2250 |
| Plate Current, D. C., milliamperes | 250 | 250 | 275 |
| Grid Volts, D. C. | -120 | -160 | -160 |
| From Cathode Resistor, ohms | 435 | 550 | 510 |
| From Grid Resistor, ohms | 3000 | 4000 | 4000 |
| Grid Volts, Peak R.F. | 280 | 330 | 330 |
| Grid Current, D. C., ma | 40 | 40 | 40 |
| Driving Power, watts | 10 | 12 | 12 |
| Power Output, watts | 275 | 375 | 475 |

A.F. POWER AMPLIFIER AND MODULATOR, CLASS B

TYPICAL OPERATION

Unless Otherwise Specified, Values Are for 2 Tubes

| | | | |
|---------------------------------------|------|-------|-------|
| Plate Volts, D. C. | 1500 | 2000 | 2250 |
| Plate Current, Zero-Sig. D. C., ma | 30 | 60 | 70 |
| Plate Current, Max-Sig. D. C., ma | 500 | 420 | 450 |
| Grid Volts, D. C. | -30 | -50 | -60 |
| Grid-to-Grid Volts, Peak A-F | 345 | 345 | 680 |
| Load Resistor, ohms (per tube) | 1650 | 2750 | 2900 |
| Effective Load Resistor, ohms (pl-pl) | 6600 | 11000 | 11600 |
| Max-Sig. Drive, watts | 12 | 10 | 13 |
| Max-Sig. Power Output, watts | 510 | 580 | 725 |



GENERAL CHARACTERISTICS

| | |
|----------------------------------|------|
| Filament Voltage, volts | 10.0 |
| Filament Current, amps | 4.5 |
| Amplification Factor | 36 |
| Capacitance, Grid-Plate, uuf | 4.5 |
| Capacitance, Grid-Filament, uuf | 8.0 |
| Capacitance, Plate-Filament, uuf | 12 |

PLATE-MODULATED R.F. POWER AMPLIFIER, CLASS C

| | C.C.S. | I.C.A.S. |
|--|--------|----------|
| Plate Volts, D. C., max..... | 1600 | 1800 |
| Plate Current, D. C., milliamperes, max..... | 210 | 250 |
| Plate Input, watts, max..... | 335 | 450 |
| Plate Dissipation, watts, max..... | 95 | 125 |
| Plate Volts and Input Max. % for 30 MC, % | 100 | 100 |
| Plate Volts and Input Max. % for 60 MC, % | 70 | 70 |
| Plate Volts and Input Max. % for 100 MC, % | 50 | 50 |
| Grid Volts, D. C., max..... | -500 | -500 |
| Grid Current, D. C., milliamperes, max..... | 70 | 70 |

TYPICAL OPERATION

| | | | |
|------------------------------------|------|------|------|
| Plate Volts, D. C. | 1250 | 1600 | 1800 |
| Plate Current, D. C., milliamperes | 210 | 210 | 250 |
| Grid Volts, D. C. | -200 | -200 | -200 |
| From Grid Resistor, ohms | 4000 | 4000 | 4000 |
| Grid Volts, Peak R.F. | 370 | 370 | 370 |
| Grid Current, D. C., milliamperes | 50 | 50 | 50 |
| Driving Power, watts | 17 | 17 | 17 |
| Power Output, watts | 180 | 250 | 335 |