

Taylor



Tubes

203-A

100 WATTS PLATE DISSIPATION
CARBON ANODE

\$12.50



TYPE 203-A

ONE OF

RADIO'S MOST POPULAR

TRANSMITTING TUBES

The Taylor 203A is designed for use as an oscillator, power Amplifier, and Class B Audio Modulator. It is the most efficient tube of the 100 watt class when used at wavelengths of 40 meters and up. Plate voltage should be lowered when tube is used below 40 meters. Will stand generous overloading because of its unique construction. Both Grid and Plate leads are brought out at side of stem for the purpose of eliminating punctures.

GENERAL CHARACTERISTICS

TYPE 203-A

Filament Voltage, volts.....	10
Filament Current, amps.....	3.85
Plate Resistance, ohms.....	6000
Mutual Conductance, uMhos.....	4200
Amplification Factor.....	25
Thoriated Tungsten Filament	

OVERALL DIMENSIONS

Maximum Length, inches.....	7½
Maximum Diameter, inches.....	2½

INTERELECTRODE CAPACITIES

Plate to Grid, mmf.....	14
Grid to Filament, mmf.....	8
Plate to Filament, mmf.....	7

CLASS "C" OSC. AND POWER AMP.

Max. Operating Plate Volts	
Unmodulated D.C., volts.....	1500
Modulated D.C., volts.....	1250
Max. D.C. Plate Current, amps.....	.175
Max. D.C. Grid Current, amps.....	.060
Max. Plate Dissipation, watts.....	100
Max. R.F. Grid Current, amps.....	7.5
Max. R.F. Output, watts.....	160

CLASS "B" A.F. MODULATOR

Push Pull Operation

Filament, volts.....	10
D.C. Plate Voltage, volts.....	1000 1250
Grid Voltage, volts.....	—35 —50
Load Resistance (Plt. to Plt.), ohms.....	6800 9000
Av. D.C. Plate Current, per tube, mls.....	150 175
Static Plate Current, per tube, mls.....	15 15
Power Output (2 tubes), watts.....	200 260

NORMAL OPERATION

Ep = 1000	Eg = —100	Ef = 10
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GENERAL INFORMATION

The 203-A tube is the oldest transmitting tube, dating back to 1917, and has never lost its popularity. The 203-A is really a general purpose tube and serves with great efficiency for many purposes. When first manufactured this tube had a metal anode and was rated at 50 watts plate dissipation. With the development of the new carbon anode, the 203-A now has a plate dissipation of 100 watts.

With the introduction of Class "B" audio the 203-A increased its popularity. By applying 1250 volts on the plate for Class "B" audio an output of 265 watts is readily obtained.

A condenser with a maximum capacity of 25 mmf. and a voltage break-down rating of 3000 volts is necessary to neutralize a type 203-A tube. Do not place neutralizing condenser in R.F. field of tank circuit.

Taylor Tubes are conservatively rated as to plate dissipation. The maximum D.C. Grid Mil rating does not mean that the tube requires that amount to fully excite it; it means that the tube can be over-excited to that maximum rating without injury to the tube.

The maximum rated plate current may be increased at reduced plate voltages.

Class "B" Data on page 28

CARBON ANODES

PRODUCE

More Watts Per Dollar