

Taylor



Tubes

HD 203-A

150 WATTS PLATE DISSIPATION
CARBON ANODE

\$17.50



THE TAYLOR HD 203-A

HAS WELL EARNED

ITS REPUTATION AS

"THE POWER-HOUSE TUBE"

TYPE HD203A

This **Heavy Duty Type 203A** was designed to fill a long wanted need of a tube to fit in between the 203A and 204A. Hundreds of these tubes are now in use in both Commercial and Amateur Transmitters. As Class B Audio Amplifiers a pair will deliver 500 watts of Audio.

GENERAL CHARACTERISTICS

Type HD-203-A

Filament Voltage, volts.....	10
Filament Current, amps.....	4
Plate Resistance, ohms.....	5600
Mutual Conductance, uMhos.....	4800
Amplification Factor.....	25
Thoriated Tungsten Filament	

OVERALL DIMENSIONS

Maximum Length, inches.....	9½
Maximum Diameter, inches.....	2½

INTERELECTRODE CAPACITIES

Plate to Grid, mmf.....	12
Grid to Filament, mmf.....	7
Plate to Filament, mmf.....	5

CLASS "C" OSC AND POWER AMP

Max. Operating Plate Volts		
Unmodulated D.C., volts.....	2000	
Modulated D.C., volts.....	1500	1750
Max. D.C. Plate Current, mls.....	250	250
Max. D.C. Grid Current, mls.....	60	60
Max. Plate Dissipation, watts.....	150	150
Max. R.F. Grid Current, amps.....	7.5	7.5
Max. R.F. Output, watts.....	250	300

CLASS "B" A.F. MODULATOR

Push Pull Operation

Filament, volts.....	10	
D.C. Plate Voltage, volts.....	1500	1750
Grid Voltage, appr. volts.....	—45	—67.5
Load Resistance (plt. to plt.) ohms.....	8000	9000
Max. D.C. Plate Current (2 tubes), mls.....	425	425
Static Plate Current, per tube, mls.....	18	18
Power Output (2 tubes), watts.....	400	500

NORMAL OPERATION

$E_p = 1750$	$E_g = -180$	$E_f = 10$
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The Heavy Duty 203A was the first tube designed with the floating anode. The anode is suspended from a stem sealed in the top of the envelope and is not connected electrically to any part of the tube assembly other than the top stem and plate lead. Before the introduction of the HD 203A punctures and flashing over in the stems of the standard 203A were very common especially in Class B audio circuits. These faults have been entirely eliminated in the construction of the HD 203A.

The HD 203A is a general purpose tube and is used in circuits built for 203A tubes where more power is desired. A pair of these tubes will furnish 500 watts of audio in a Class B audio circuit. This amount is more than enough to modulate 100% the maximum amount of input allowed by the Federal Communications Commission for Amateur Radio transmitters.

CARBON ANODE

Length 2½ inches

Width 1½ inches

FLOATING ANODE

CARBON ANODES

PRODUCE

More Watts Per Dollar