

# Taylor

CUS  
BU



## 203-A

100 WATTS PLATE DISSIPATION  
OSCILLATOR AND AMPLIFIER  
TRIODE

**\$10.00**

### GENERAL CHARACTERISTICS

Fil. Volts .....	10
Fil. Current, amps.....	3.25
Amp. Factor .....	25
Nonex Glass .....	50 Watt Base

### OVERALL DIMENSIONS

Maximum Length, inches.....	7½
Maximum Diameter, inches.....	2⅞

### INTERELECTRODE CAPACITIES

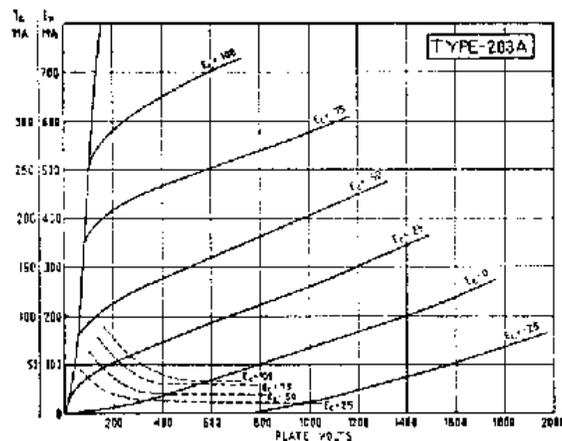
Plate to Grid, mmf.....	14
Grid to Filament, mmf.....	8
Plate to Filament, mmf.....	7

### R-F POWER AMPLIFIER AND OSCILLATOR—CLASS C MAXIMUM RATINGS

D. C. Plate Volts .....	1250
D. C. Plate Current, ma.....	175
D. C. Grid Current, ma.....	60
D. C. Grid Volts .....	-400

### TYPICAL OPERATING CONDITIONS

D. C. Plate Volts .....	1250
D. C. Plate Current, ma.....	175
D. C. Grid Current, ma.....	25
D. C. Grid Bias Volts.....	-125
From Grid Resistor, ohms.....	5000
From Cathode Resistor, ohms.....	725
Driving Power, watts.....	7
Power Output, watts.....	150
Full Input to 15 mc.....	75% to 80 mc.



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# HD 203-A

150 WATTS PLATE DISSIPATION  
CARBON ANODE TRIODE

## \$14.50

The Heavy Duty 203A is truly a heavy duty tube and was the first tube designed with the floating anode. 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. The HD 203A is a general purpose tube and is used in circuits built for 203A tubes where more power is desired.

### GENERAL CHARACTERISTICS

Filament Voltage, volts.....	10
Filament Current, amps.....	4
Amplification Factor.....	25
Plate to Grid, mmf.....	12
Thoriated Tungsten Filament—NONEK GLASS	
Maximum Length, inches.....	9 $\frac{1}{2}$
Maximum Diameter, inches.....	2 $\frac{1}{4}$

### CLASS "C" AMPLIFIER

Max. Operating Plate Volts.....	1500	1750
Max. D.C. Plate Current, mills.....	225	225
Max. D.C. Grid Current, mills.....	60	60

### CLASS "B" A.F. MODULATOR

#### Push Pull Operation

D.C. Plate Voltage, volts.....	1500	1750
Grid Voltage, appr. volts.....	—45	—67.5
Load Resistance (pL to pL) ohms.....	9600	10,000
Max. D.C. Plate Current (2 tubes), mills.....	315	385
Power Output (2 tubes), watts.....	300	400

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STOM  
DILT

# Tubes

## 203-Z

ZERO BIAS TUBE  
65 WATTS PLATE DISSIPATION  
*Nickel Anode*

**\$8.00**

300 WATTS CLASS B OUTPUT



### GENERAL CHARACTERISTICS

Filament Volts .....	10
Filament Current, amps.....	3.25
Amplification Factor .....	85
Plate Dissipation, watts.....	65

### Overall Dimensions

Maximum Length, inches.....	8 3/4
Maximum Diameter, inches.....	2 3/8
50 Watt Base .....	Nonex Glass

### CLASS B AUDIO

#### Maximum Ratings

D. C. Plate Volts .....	1250
D. C. Plate Current, ma.....	175
Plate Dissipation, watts.....	65

#### Typical Operating Conditions for Two Tubes

D. C. Plate Volts .....	1000	1250
D. C. Plate Current, ma. (max. signal).....	350	350
D. C. Plate Current, ma. (zero signal).....	60	50
D. C. Grid Bias Volts.....	0	-4.5
Power Output, watts.....	230	300
Driving Power, watts.....	6.5	6.75
Peak Grid to Grid, volts.....	206	215
Plate to Plate Load, ohms.....	8200	8000

### CLASS B AUDIO DATA

The chart below gives the maximum average value as would be indicated on the plate current meter with sine wave input. For the same peak output with voice input the maximum average plate current will be approximately 50 to 60 per cent of this value.

Supply Voltage ↓	150	200	250	300	Audio Watts ←Output
1250	170	230	300	350	←Max. Av. Ip.
	17500	12500	9500	8000	←Plate to Plate load
	135	165	195	215	←Grid to Grid Volts
	2.5	3.9	5.6	6.75	←Watts drive
1100	200	270	350	←Max. Av. Ip.	
	12700	9000	7000	←Plate to Plate load	
	148	183	215	←Grid to Grid Volts	
	3.1	5.0	6.75	←Watts drive	
1000	220	320	←Max. Av. Ip.		
	10000	6900	←Plate to Plate load		
	150	203	←Grid to Grid Volts		
	3.4	6.4	←Watts drive		
900	250	350	←Max. Av. Ip.		
	7900	5400	←Plate to Plate load		
	164	206	←Grid to Grid Volts		
	4.1	6.5	←Watts drive		