

Taylor



Tubes

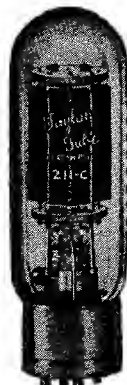
TUBES RECOMMENDED FOR DIATHERMY APPARATUS

211-C

100 WATTS PLATE DISSIPATION
CARBON ANODE

LOW INTERELECTRODE CAPACITIES

\$12.50



303-C

125 WATTS PLATE DISSIPATION
CARBON ANODE

A POPULAR TUBE
FOR
DIATHERMY APPARATUS

\$17.50

A Taylor designed three-element tube of low interelectrode capacity for use as an oscillator in Therapeutic apparatus. Where space permits the use of a larger envelope the 211-C can be had with larger nonex envelope at no extra cost. In Transmitters for Class "C" operation this tube will give maximum output on 56 megacycles.

A special feature in the Taylor 211-C type tube is the bringing out of the side of the stem the grid and plate leads which eliminates losses in the glass press and leakage between grid and filament leads as is the case in other make tubes. This tube is used by many manufacturers of therapeutic apparatus in portable machines.

GENERAL CHARACTERISTICS

Type 211-C

Filament Voltage, volts.....	10
Filament Current, amps.....	3.85
Plate Resistance, ohms.....	2800
Mutual Conductance, uMhos.....	4500
Amplification Factor.....	12.5
Thoriated Tungsten Filament	

OVERALL DIMENSIONS

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

INTERELECTRODE CAPACITIES

Plate to Grid, mmf.....	9
Grid to Filament, mmf.....	6
Plate to Filament.....	6.5

CLASS "C" OSC. AND POWER AMP.

Max. Operating Plate Volts	
Unmodulated D.C., volts.....	1500
Modulated D.C., volts.....	1000 1250
Max. D.C. Plate Current, amps.....	.175 .175
Max. D.C. Grid Current, amps.....	.060 .060
Max. Plate Dissipation, watts.....	100 100
Max. R.F. Grid Current, amps.....	7.5 7.5
Max. R.F. Output, watts.....	100 130

NORMAL OPERATION

$E_p = 1000$	$E_g = -180$	$E_f = 10$
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303-C

This tube is identical in physical dimensions to the 211-C except that the plate lead is brought out at the top of envelope and the amplification factor is 20. This type tube is used extensively by manufacturers of portable diathermy apparatus on 6 meters.

The 303-C tube is recommended for use as a driver tube in high power-high frequency transmitters and as a Class C Amplifier tube in medium power transmitters. The "plate lead at top" feature enables the use of high plate voltages and the use of shorter leads to tank circuits, which are very essential on high frequencies.

GENERAL CHARACTERISTICS

Type 303-C

Filament Voltage, volts.....	10
Filament Current, amps.....	4
Plate Resistance, ohms.....	4600
Mutual Conductance, uMhos.....	4500
Amplification Factor.....	20
Thoriated Tungsten Filament	

OVERALL DIMENSIONS

Maximum Length, inches.....	8¼
Maximum Diameter, inches.....	2¾

INTERELECTRODE CAPACITIES

Plate to Grid, mmf.....	9
Grid to Filament, mmf.....	6
Plate to Filament, mmf.....	4

CLASS "C" OSC. AND POWER AMP.

Max. Operating Plate Volts	
Unmodulated D.C., volts.....	1500
Modulated DC, volts.....	1250
Max. D.C. Plate Current, amps.....	.200
Max. D.C. Grid Current, amps.....	.075
Max. Plate Dissipation, watts.....	125
Max. R.F. Grid Current, amps.....	7.5
Max. R.F. Output, watts.....	225

NORMAL OPERATION

$E_p = 1250$	$E_g = -180$	$E_f = 10$
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CARBON ANODES

PRODUCE

More Watts Per Dollar