

Taylor



Tubes

T-200

200 WATTS PLATE DISSIPATION

CARBON ANODE

\$21.50



A

HEAVY DUTY

ULTRA-HIGH FREQUENCY

TUBE

The high ratio of Grid to Plate Capacity to the Transconductance in the **T200** makes it an ideal tube for use in a Class "C" Amplifier on high frequencies, as much less grid excitation is necessary in this type of tube.

GENERAL CHARACTERISTICS

Type T-200

Filament Voltage	10-11
Filament Current, amps.....	4
Plate Resistance, ohms.....	3400
Mutual Conductance, uMhos.....	4800
Amplification Factor	16.6

OVERALL DIMENSIONS

Maximum Length, inches	9½
Maximum Width, Including Grid Cap, inches.....	3¾

INTERELECTRODE CAPACITIES

Plate to Grid, mmf.....	7
Grid to Filament, mmf.....	5
Plate to Filament, mmf.....	3

CLASS "C" OSC. AND POWER AMP.

Max. Operating Plate Volts	
Unmodulated D.C., volts.....	2500
Modulated, volts	2000
Max. D.C. Plate Current, mls.....	350
Max. D.C. Grid Current, mls.....	80
Max. Plate Dissipation, watts.....	200
Max. R.F. Grid Current, amps.....	15
R.F. Output, watts.....	500

NORMAL OPERATION

$E_p = 2500$

$E_g = -300$

$E_f = 10-11$

T-200

ADDITIONAL INFORMATION

A condenser with a maximum capacity of 12 mmf and a voltage breakdown rating of 6000 volts is necessary to neutralize a type T-200 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.

The T200 is constructed and designed to meet the requirements demanded in a tube to be used at high frequencies and at high power. The self excited oscillator circuit used in Diathermy Apparatus is particularly hard on the grid of the tube when no load is coupled to the machine. In this condition the grid current builds up to enormous values. The grid lead in the T-200 is heavy enough to withstand an R.F. load of 15 amperes.

The low interelectrode capacities allow the use of this tube on wavelengths down to 2½ meters.

The Taylor T200 is the most conservatively rated tube of its type on the market today. With the knowledge that tubes used in Diathermy Apparatus require high plate dissipation, our engineers have designed this tube with a large Safety Factor. As to plate dissipation compare the size of its anode with tubes of similar ratings found on the market today.

SUPER CARBON ANODE

Length 2½ inches

Width 1¾ inches

FLOATING ANODE

CARBON ANODES

PRODUCE

More Watts Per Dollar