

Taylor



Tubes

825

40 WATTS PLATE DISSIPATION

CARBON ANODE

\$4.95



The Taylor 825, a 40 watt general purpose tube designed for medium power Transmitters is priced to meet the average amateur's purse. Hundreds of this type tube are now in use giving satisfactory service not only in transmitters but in surgical knives, coagulating machines and other types of apparatus. A pair of these tubes in Class "B" audio will deliver 80 watts of audio.

GENERAL CHARACTERISTICS

Type 825

Filament Voltage, volts.....	7.5
Filament Current, amps.....	2
Plate Resistance, ohms.....	2800
Mutual Conductance, uMhos.....	2500
Amplification Factor.....	8
Thoriated Tungsten Filament	

OVERALL DIMENSIONS

Maximum Length, inches.....	5 5/8
Maximum Diameter, inches.....	2 1/4

INTERELECTRODE CAPACITIES

Plate to Grid, mmf.....	7
Grid to Filament, mmf.....	3
Plate to Filament, mmf.....	2.7

CLASS "C" OSC. AND POWER AMP.

Max. Operating Plate Volts	
Unmodulated D.C., volts.....	850
Modulated D.C., volts.....	750
Max. D.C. Plate Current, mls.....	110
Max. D.C. Grid Current, mls.....	25
Max. Plate Dissipation, watts.....	40
Max. R.F. Grid Current, amps.....	3
Max. R.F. Output, watts.....	50

CLASS "B" A.F. MODULATOR

Push Pull Operation

Filament, volts.....	7.5
D.C. Plate Voltage, volts.....	850
Grid Voltage, appr. volts.....	67.5
Load Resistance (plt. to plt.), ohms.....	8000
Av. D.C. Plate Current (2 tubes), mls.....	170
Static Plate Current (per tube), mls.....	25
Power Output (2 tubes), watts.....	82

NORMAL OPERATION

$E_p = 750$	$E_g = -180$	$E_f = 7.5$
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756

40 WATTS PLATE DISSIPATION

CARBON ANODE

\$4.95

The Taylor 756 is a 40 watt general purpose triode especially adapted for use in radio transmitters as an oscillator, R. F. amplifier and Class "B" audio modulator. High outputs are obtained from crystal circuits using this tube. Because of its high amplification factor and its ability to produce rich harmonics, the tube is ideal for use as a doubler. Class "B" audio output per pair, 100 watts.

GENERAL CHARACTERISTICS

Type 756

Filament Voltage, volts.....	7.5
Filament Current, amps.....	2
Plate Resistance, ohms.....	15000
Mutual Conductance, uMhos.....	1600
Amplification Factor.....	25
Thoriated Tungsten Filament	

OVERALL DIMENSIONS

Maximum Length, inches.....	5 5/8
Maximum Diameter, inches.....	2 1/4

INTERELECTRODE CAPACITIES

Plate to Grid, mmf.....	8
Grid to Filament, mmf.....	3.5
Plate to Filament, mmf.....	2.7

CLASS "C" OSC. AND POWER AMP.

Max. Operating Plate Volts	
Unmodulated D.C., volts.....	850
Modulated D.C., volts.....	750
Max. D.C. Plate Current, mls.....	110
Max. D.C. Grid Current, mls.....	20
Max. Plate Dissipation, watts.....	40
Max. R.F. Grid Current, amps.....	2
Max. R.F. Output, watts.....	60

CLASS "B" A.F. MODULATOR

Push Pull Operation

Filament, volts.....	7.5
D.C. Plate Voltage, volts.....	850
Grid Voltage, appr. volts.....	30
Load Resistance (plt. to plt.), ohms.....	6750
Av. D.C. Plate Current (2 tubes), mls.....	225
Static Plate Current (per tube), mls.....	10
Power Output (2 tubes), watts.....	100

NORMAL OPERATION

$E_p = 750$	$E_g = -75$	$E_f = 7.5$
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A condenser with a maximum capacity of 25 mmf. and a voltage break-down rating of 1500 volts is necessary to neutralize either one of these tubes. 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 overexcited to that maximum rating without injury to the tube.

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

CARBON ANODES

PRODUCE

More Watts Per Dollar