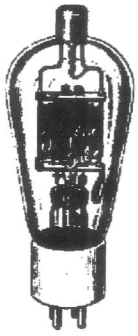
Taylor CUSTOM BUILT Tubes

T-20

GENERAL PURPOSE TRIODE

20 WATTS PLATE DISSIPATION

$2.25



GENERAL CHARACTERISTICS

Filament Volts	7.5
Filament Current, amps	1.75
Amplification Factor	20
Plate Dissipation, watts	20

Interelectrode Capacities

Grid-plate, mmf	5.05
Grid-filament, mmf	4.85
Plate-filament, mmf	0.65

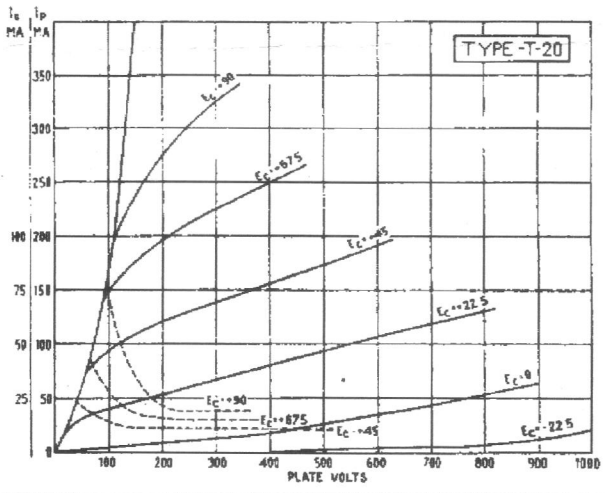
Overall Dimensions

Maximum length, inches	6
Maximum diameter, inches	2¾

UX 4-prong Alsimag Base

The T20 is recommended as an extremely fine amplifier tube on all frequencies up to 60 MC. Nearly 30,000 T20's and TZ20's combined have been bought by Amateurs throughout the world and daily we receive enthusiastic reports of long life and highly efficient performance. T20's and TZ20's require a minimum amount of excitation and their ratings are conservative. While the rated plate dissipation is 20 watts, no color shows on the plate until the dissipation amounts to approximately 32 watts and it takes about 45 watts to cause a cherry red spot in the center of the plate.

CAUTION: Taylor T20's and TZ20's have nickel plates and due to the much lower temperature at which this material will melt, they do not have the same high standard of SAFETY FACTOR that is a feature of Taylor Tubes using carbon anodes. The **Safety Factor** of T20's and TZ20's is approximately 80 watts. This does not mean that they will be any less efficient but it does mean they will not stand as much abuse. The plate voltage should be reduced while making adjustments to prevent excessive heating. Properly handled, the efficiency of these tubes will be as great as though they had carbon anodes and their life will be equally as long.



CLASS C TELEGRAPHY
Maximum Ratings

D. C. Plate Volts	750
D. C. Plate Current, ma	85
D. C. Grid Current, ma	25
D. C. Grid Volts	200
Plate Dissipation, watts	20

Typical Operating Conditions

D. C. Plate Volts	750
D. C. Plate Current, ma	85
D. C. Grid Current, ma	18
D. C. Grid Bias Volts	—85
From grid leak of, ohms	4722
Or / From { Fixed supply of, volts / Plus grid leak of, ohms	—40 / 2500
Plate Dissipation, watts	20
Power Output, watts	44
Driving Power, watts	3.6

CLASS C TELEPHONY
Maximum Ratings

D. C. Plate Volts	750
D. C. Plate Current, ma	75
D. C. Grid Current, ma	25
D. C. Grid Volts	200
Plate Dissipation, watts	15

Typical Operating Conditions

D. C. Plate Volts	750
D. C. Plate Current, ma	70
D. C. Grid Current, ma	15
D. C. Grid Bias Volts	—135
From grid leak of, ohms	9000
Or / From { Fixed supply of, volts / Plus grid leak of, ohms	40 / 6350
Plate Dissipation, watts	15
Power Output, watts	38
Driving Power, watts	3.6