

Taylor

CUSTOM
BUILT

Tubes

TW-75

75 WATTS PLATE DISSIPATION
THE SECOND IN A SERIES WITH



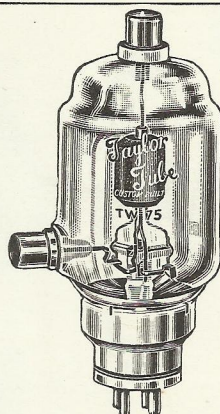
\$8.00

SAFETY FACTOR 525 WATTS

OUTSTANDING FEATURES

- **THIN-WALL CARBON ANODE**
.015" thick. One-piece—machined from a solid block of carbon.
- **WARP-PROOF**
Thin-Wall Carbon Anode retains its shape under any heat condition.
- **VISIBLE OPERATING TEMPERATURE**
Operates at cherry red heat at rated plate dissipation.
- **PUNCTURE-PROOF**
New scientific grid structure guarantees against punctures due to heating of glass.
- **ENCLOSED ANODE**
Affords complete "Electron Control" assuring added efficiency.
WILL STAND TEMPORARY OVERLOADS UP TO 800%

The TW-75 is a Triode embodying a carbon plate of revolutionary design only 0.015 inches thick. It's compact size will prove of great advantage in the design of Transmitters making it ideal for all U.H.F. applications. It can be operated at full ratings on frequencies as high as 60 mc.



GENERAL CHARACTERISTICS

Filament Volts	7.5
Filament Current, amps.....	4.15
Amplification Factor	20
Plate Dissipation, watts.....	75

Interelectrode Capacities

Grid-plate, mmf.	1.5
Grid-filament, mmf.	3.35
Plate-filament, mmf.	.7

Overall Dimensions

Maximum length, inches.....	6 1/4
Maximum diameter, inches.....	3 1/4
Nonex Glass	UX 4 Prong Base

CLASS C TELEGRAPHY

Maximum Ratings

D. C. Plate Volts.....	2000
D. C. Plate Current, ma.....	175
D. C. Grid Current, ma.....	60
D. C. Grid Volts.....	500
Plate Dissipation, watts.....	75

Typical Operating Conditions

D. C. Plate Volts.....	1000	1500	2000
D. C. Plate Current, ma.....	175	165	150
D. C. Grid Current, ma.....	45	42	37
D. C. Grid Bias Volts.....	-135	-157	-175
From grid leak of, ohms.....	3000	3750	4750
Or { Fixed Supply of, Volts.....	50	75	100
From { Plus Grid Leak of, ohms.....	1900	1950	2000
Plate Dissipation, watts.....	62	71	75
Power Output, watts.....	113	177	225
Driving Power, watts.....	15	14.2	12.7

CLASS C TELEPHONY

Maximum Ratings

D. C. Plate Volts.....	2000
D. C. Plate Current, ma.....	150
D. C. Grid Current, ma.....	60
D. C. Grid Volts.....	500
Plate Dissipation, watts.....	50

Typical Operating Conditions

D. C. Plate Volts.....	1000	1500	2000
D. C. Plate Current, ma.....	150	135	125
D. C. Grid Current, ma.....	40	32	32
D. C. Grid Bias Volts.....	-175	-230	-260
From Grid Leak of, ohms.....	5500	6500	8000
Or { Fixed Supply of, volts.....	50	75	100
From { Plus Grid Leak of, ohms.....	4400	4400	5000
Plate Dissipation, watts.....	47	47	52
Power Output, watts.....	103	141	198
Driving Power, watts.....	14	12.7	13.2

