

Taylor



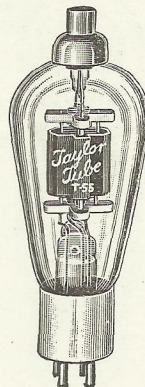
Tubes

T-55

**55 WATTS PLATE DISSIPATION
AMATEUR'S FAVORITE TUBE
OVER 13,000 IN USE**

Improved

\$6.00



GENERAL CHARACTERISTICS

Filament Volts	7.5
Filament Current, amps.....	3.0
Plate Dissipation, watts.....	55
Amp. Factor	20

Overall Dimensions

Maximum Length, inches.....	7
Maximum Diameter, inches.....	2 1/2

Interelectrode Capacities

Grid-Plate, mmf.	3.85
Grid-Filament, mmf.	4.95
Plate-Filament, mmf.	1.15

Nonex Glass

UX 4 Prong Base

The TAYLOR T-55 is a tube of medium power capable of efficient power output at frequencies as high as 60 Megacycles, yet it operates at reasonable values of plate voltage and plate current. Its medium low interelectrode capacities and efficient flat form of construction result in low losses across the elements avoiding the necessity for high voltages for good efficiency and reducing the grid drive requirements. The T-55 will give more power output for a given amount of grid drive than any other high frequency tube of the same comparative class. The design of this tube permits use of ceramic internal insulators. The misalignment of elements (which so often develop in tubes with self-supporting elements) is impossible in the T-55.

Although there are competitive tubes available whose ratings approach the T-55 ratings at lower prices, we emphasize the fact that the T-55 has far greater value because of superior quality. This quality is made possible by use of a Processed Carbon Anode, all-Tungsten leads and Nonex Glass. The T-55 has a safety factor of 345 watts. Taylor's T-55 is the standard 55 watt tube throughout the world, just as the 203-A is standard in its class.

C.C.S. ratings are for Continuous Commercial Service.

I.C.A.S. ratings are for Intermittent Commercial and Amateur Service.

CLASS C TELEGRAPHY

Maximum Ratings

	C.C.S.	I.C.A.S.
D. C. Plate Volts.....	1500	1500
D. C. Plate Current, ma.....	135	165
D. C. Grid Current, ma.....	30	40
D. C. Grid Bias Volts.....	350	
Plate Dissipation, watts.....	55*	55*

Typical Operating Conditions

	C.C.S.	I.C.A.S.
D. C. Plate Volts.....	1500	1500
D. C. Plate Current, ma.....	135	165
D. C. Grid Current, ma.....	16	20
D. C. Grid Bias Volts.....	-130	-140
From Grid Leak of, ohms.....	8000	7000
Plate Dissipation, watts.....	49	64.5*
Power Output, watts.....	153	183.5
Driving Power, watts.....	4	5.6
Peak AC Grid Volts.....	280	315

* It is permissible to allow the plate dissipation to approach twice the normal value when key down condition exists approximately half the time.

CLASS C TELEPHONY

Maximum Ratings

	C.C.S.	I.C.A.S.
D. C. Plate Volts.....	1250	1500
D. C. Plate Current, ma.....	120	135
D. C. Grid Current, ma.....	30	30
Plate Dissipation, watts.....	37	55#

Typical Operating Conditions

	C.C.S.	I.C.A.S.
D. C. Plate Volts.....	1000	1250
D. C. Plate Current, ma.....	100	120
D. C. Grid Current, ma.....	13	15
D. C. Grid Bias Volts.....	-150	-160
From Grid Leak of ohms.....	10000	8500
Or { Fixed Supply of, volts....	-50	-65
From { Plus Grid Leak of, ohms..	6500	5250
Plate Dissipation, watts.....	25	36
Power Output, watts.....	75	114
Driving Power, watts.....	3.4	4.2
Peak AC Grid Volts.....	290	310

The intermittent nature of voice modulation permits the use of the full plate dissipation rating of the tube.

