

Taylor



Tubes

THE IDEAL TUBE
for
SUPER-EFFICIENT SERVICE
on
ULTRA-HIGH FREQUENCIES



T-55
55 WATTS PLATE DISSIPATION
CARBON ANODE
\$8.00

The TAYLOR T-55, the most recent addition to our line of tubes, is a high voltage low current tube of medium power capable of **efficient power output** at **frequencies as high as 120 megacycles**. The unique design in this tube permits use of high resistance internal insulators. The misalignment of elements (which so often develops in tubes with self-supporting elements) is impossible in the T-55.

GENERAL CHARACTERISTICS

Type T-55

Filament Voltage, volts.....	7½
Filament Current, amps.....	3.25
Plate Resistance, ohms.....	9000
Mutual Conductance, uMhos.....	2200
Amplification Factor	20

OVERALL DIMENSIONS

Maximum Length, inches.....	7
Maximum Diameter, inches.....	2½

INTERELECTRODE CAPACITIES

Plate to Grid, mmf.....	2.5
Grid to Filament, mmf.....	1
Plate to Filament, mmf.....	.7

CLASS "C" OSC AND POWER AMP

	Class C	OSC
Max. Operating Plate Volts		
Unmodulated DC, volts.....	1500	1250
Modulated DC, volts.....	1500	1000
Max. DC Plate Current, mls.....	150	125
Max. DC Grid Current, mls.....	40	40
Max. Plate Dissipation, watts.....	55	55
Max. RF Grid Current, amps.....	5	5
RF Output, watts.....	168	66
Percentage of Efficiency.....	75	40

NORMAL OPERATION

$E_p = 1250$	$E_g = -120$	$E_f = 7½$
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GENERAL INFORMATION

The TAYLOR T-55 has been tested in police transmitters for continuous service and has proven satisfactory in every respect. Maximum input can be applied to this tube on frequencies as high as 120 megacycles. When using the T-55 on ultra-high frequencies, make all connections of the nut and bolt type or use pure lead solder; ordinary solder will melt.

The Cardwell type NA-5-NS and National type N. C., 800 condensers are recommended for neutralizing the T-55 when used as an amplifier.

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 with reduced plate voltage.

The high ratio of Grid to Plate capacity to the transconductance in the T-55 makes it an ideal tube for use as a Class C Amplifier on high frequencies. The characteristics of this tube allow its use on wavelengths of 2 to 160 meters with a high percentage of over-all efficiency.

SPECIAL FEATURES

UX Isolantite Base.	Large Cap for Easy Attachment of Plate Leads.
Tungsten Leads.	
Nonex Glass.	Best Buy on the Market.

FLOATING ANODE

CARBON ANODES

PRODUCE

More Watts Per Dollar