

Especially for wavelengths between 0.5 meter and 5 meters				
Heater Coated Unipote				
Voltage 6.	3 a-c or d-c volts			
Current 0.1				
Direct Interelectrode Capacitan				
Grid to Plate 1.				
Grid to Cathode 1.				
Plate to Cathode 0.				
Overall Length	1-7/32" ± 5/32"			
Overall Diameter	1-3/32" ± 1/16"			
Bulb See Out.				
Base J GENERAL				
Pin 1-Heater	Pin 4 - Heater			
Pin 2-Plate	Pin 5 - Cathode			
Pin 3 – Grid (🚎				
RCA Socket	✓ Stock No.9925			
Mounting Position © 🕏	™ Any			
Short Part of				
BOTTOM VI	EW (5BC)			
Warinum Patings Are	Design_Center Values			
Maximum Ratings Are Design-Center Values A-F AMPLIFIER				
D-C Plate Voltage	250 max. volts			
	1.6 max. watts			
Plate Dissipation	80 max. volts			
D-C Heater-Cathode Potential				
Typical Operation and Character	istics — Class A, Amplifier:			
D-C Plate Voltage 9				
D-C Grid Voltage* -2.				
Amplification Factor 2				
Plate Resistance 1470	-4-11 -1111 -1111 -1111			
Transconductance 170				
D-C Plate Current 2.				
Load Resistance -	- 20000 - ohms			
Second Harmonic Dist	- 5 - % .			
Power Output -	- 135 - mw			
Typical Operation with Resistance-Coupling:				
Plate-Supply Voltage ⁰	180 volts			
D-C Grid Voltage*	-3.5 volts			
Load Resistance	250000 ohms			
Plate Current	0.42 ma.			
Second Harmonic Distortion	5 %			
Voltage Output	45 RMS volts			
Voltage Gain	20 approx.			
1	1			
R-F POWER AMPLIFIER & OSCILLATOR - Class C				
Plate Modulat				
D-C Plate Voltage	180 max. volts			
D-C Plate Current	8 max. ma.			
D-C Grid Current	2 max. ma.			
D-C Heater-Cathode Potential	80 max. volts -			
Typical Operation:	1			
D-C Plate Voltage	180 volts			
D-C Grid Voltage	-35 approx. volts			
D-C Plate Current	7 ma.			
	, , , , , ,			
•, *, O: See next page.	→ Indicates a change.			
HINE 20 1044	DATA			

JUNE 30, 1944

RCA VICTOR DIVISION RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

DATA



DETECTOR, AMPLIFIER, OSCILLATOR

(continued from preceding page)

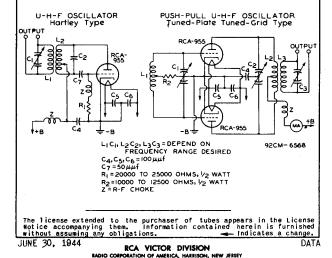
D-C Grid Current
Power Output**

1.5 approx.ma.
0.5 approx.watt

DETECTOR				
Typical Operation:	Biased	Grid-Leak		
Plate-Supply Voltage	e ^o 180	45	volts	
Grid Voltage	-7 approx.	Grid Return to Cathode	volts	
Load Resistance	0.25	-	megohm	
Plate Current Ad	justed to 0.2 ma. approx. with no input signal.	-	ma.	
Cathode Resistor	50000 approx.	_	ohms	
Grid Leak	_ ``	1 to 5	megohms	
Grid Condenser	-	0.00025	μf	

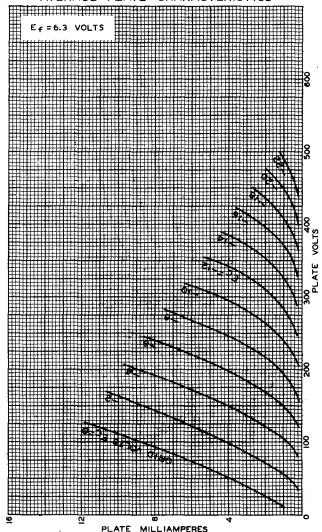
- With no external shield.
 - Under maximum rated conditions, the resistance in the grid circuit should not exceed 0.1 megohm with fixed bias, or 0.5 megohm with cathode bias. This is a plate-supply voltage value. The voltage effective at plate will be plate-supply voltage minus the voltage drop in load caused by
- plate current.
 ** At 5 meters. Only moderate reduction in this value will be found for
 wavelengths as low as 1 meter. Below 1 meter, the power output decreases
 as the wavelength is decreased.

R-F grounding by means of condensers placed close to the tube pins is required if the full capabilities of the 955 for ultrahigh-frequency uses are to be obtained.





AVERAGE PLATE CHARACTERISTICS



MAY 7, 1941

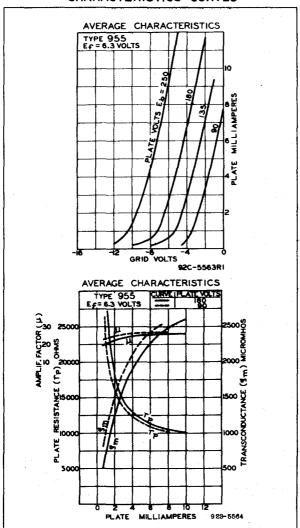
RCA RADIOTRON DIVISION

92C-556IRI

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CHARACTERISTICS CURVES



July 1, 1941

RCA RADIOTRON DIVISION RCA MANUFACTURING COMPANY, INC.

92C-5563R1 92S-5564