

SUPER-CONTROL SCREEN GRID R-F AMPLIFIER

Heater	Coated Unipotential Cathode	
Voltage	2.5	a-c or d-c volts
Current	1.75	amp.
Direct Interelectrode Capacitances:		
Grid to Plate (with shield-can)	0.007 max.	μ f
Input	5.3	μ f
Output	10.5	μ f
Overall Length	4-25/32" to 5-1/32"	
Maximum Diameter	1-13/16"	
Bulb	ST-14	
Cap	Small Metal	
Base	Medium 5-Pin	
Pin 1-Heater	Pin 4-Cathode	
Pin 2-Plate	Pin 5-Heater	
Pin 3-Screen	Cap -Grid	

BOTTOM VIEW

AMPLIFIER - Class A

Operating Conditions and Characteristics:

Heater*	2.5	2.5	volts
Plate	180	250	volts
Screen	90	90	max. volts
Grid	-3	-3	min. volts
Amp. Fact.	305	420	
Plate Res.	300000	400000	ohms
Transcond.	1020	1050	μ mhos
Transcond.*	15	.5	μ mhos
Plate Cur.	6.3	6.5	ma.
Screen Cur.	2.5	2.5	ma.

* At -40 volts bias.

MIXER

In Superheterodyne Circuit

Operating Conditions with Variable Bias:

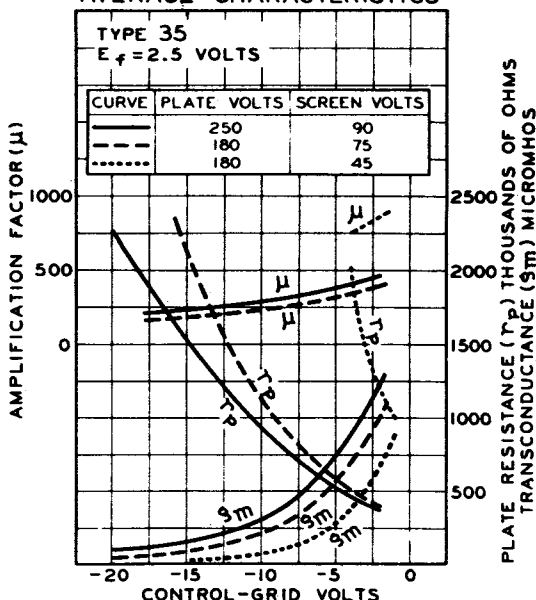
Heater*	2.5	volts
Plate	250	volts
Screen	90	max. volts
Grid	-7	approx. volts

The grid bias shown is minimum for an oscillator peak voltage of 6.0 volts. These values are optimum.

* In circuits where the cathode is not directly connected to the heater, the potential difference between heater and cathode should be kept as low as possible.

o The d-c resistance in the grid circuit should not exceed 3 megohms.

AVERAGE CHARACTERISTICS



92C-5141R1

AVERAGE PLATE CHARACTERISTICS

