

RADIOTRON

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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*	0.007 max.		μF
Input	5.3		μF
Output	10.5		μF
Maximum Overall Length			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

CLASS A AMPLIFIER

Operating Conditions and Characteristics:

Heater*	2.5	2.5		volts
Plate	180	250	275 max.	volts
Screen	90	90		max. volts
Grid*	-3	-3		min. volts
Plate Res.	0.3	0.4		megohms
Transcond.	1020	1050		μhos
Transcond.*	15	15		μhos
Plate Current	6.3	6.5		mA.
Screen Current	2.5	2.5		mA.

MIXER (In Superhet. Receivers)

Operating Conditions With Variable Bias:

Heater*	2.5		volts
Plate	250	275 max.	volts
Screen	90		max. volts
Grid**	-7		approx. volts

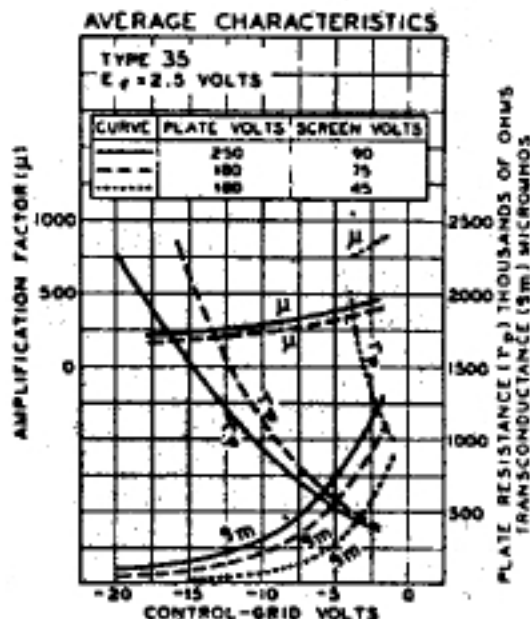
* With shield-can connected to cathode

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

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

* At -40 volts bias.

** The grid bias is minimum for an oscillator peak voltage of 8.0 volts. These values are optimum.



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AVERAGE PLATE CHARACTERISTICS

