

## RADIOTRON

34

34  
SHEET 1

## SUPER-CONTROL R. F. AMPLIFIER PENTODE

In almost all cases type 34 may be directly replaced by type 1A4-P without change to the equipment. The two types are almost identical except that the overall dimensions of type 1A4-P are smaller than those of type 34.

Filament	Coated		
Voltage	2.0		d-c volts
Current	.06		amp.
Direct Interelectrode Capacitances:			
Grid to Plate <sup>Ⓞ</sup>	0.015 max.		μμF
Input	6.0		μμF
Output	11.5		μμF
Maximum Overall Length			5-1/32"
Maximum Diameter			1-13/16"
Bulb			ST-14
Cap			Small Metal
Base			Medium 4-Pin
Pin 1-Filament +			Pin 4-Filament -
Pin 2-Plate			Cap -Grid
Pin 3-Screen			



BOTTOM VIEW

## CLASS A AMPLIFIER

Operating Conditions and Characteristics:				
Filament Voltage	2.0	2.0	2.0	d-c volts
Plate Voltage	67.5	135	180 max.	volts
Screen Voltage	67.5	67.5	67.5	max. volts
Grid Voltage <sup>Ⓞ</sup>	-3.0	-3.0	-3.0	min. volts
Plate Res.	0.4	0.6	1.0	megohms
Transcond.	580	600	620	μmhos
Transcond.*	15	15	15	μmhos
Plate Current	2.7	2.8	2.8	mA.
Screen Current	1.1	1.0	1.0	mA.

## MIXER (In Superhet. Receivers)

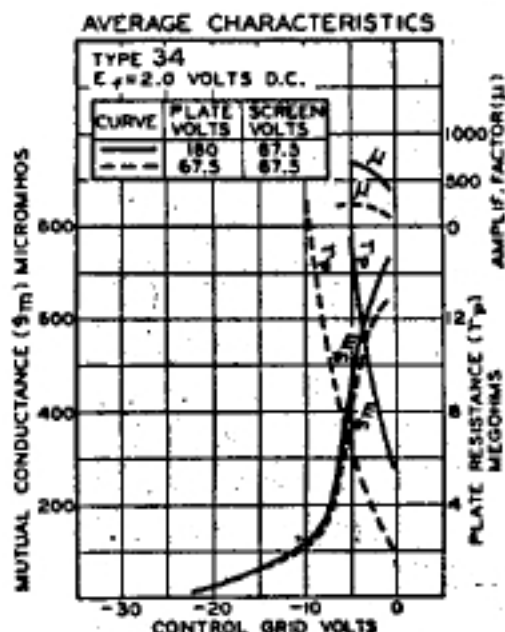
Operating Conditions with Variable Bias:				
Filament	2.0	2.0	2.0	d-c volts
Plate Voltage	67.5	135	180 max.	volts
Screen Voltage	67.5	67.5	67.5	max. volts
Grid Voltage**	-5.0	-5.0	-5.0	approx. volts

<sup>Ⓞ</sup> With shield-can connected to negative filament terminal.

\*\* The grid voltage shown is minimum for an oscillator peak voltage of 4.0 volts. These values are optimum.

\* At a grid bias of -22.5 volts.

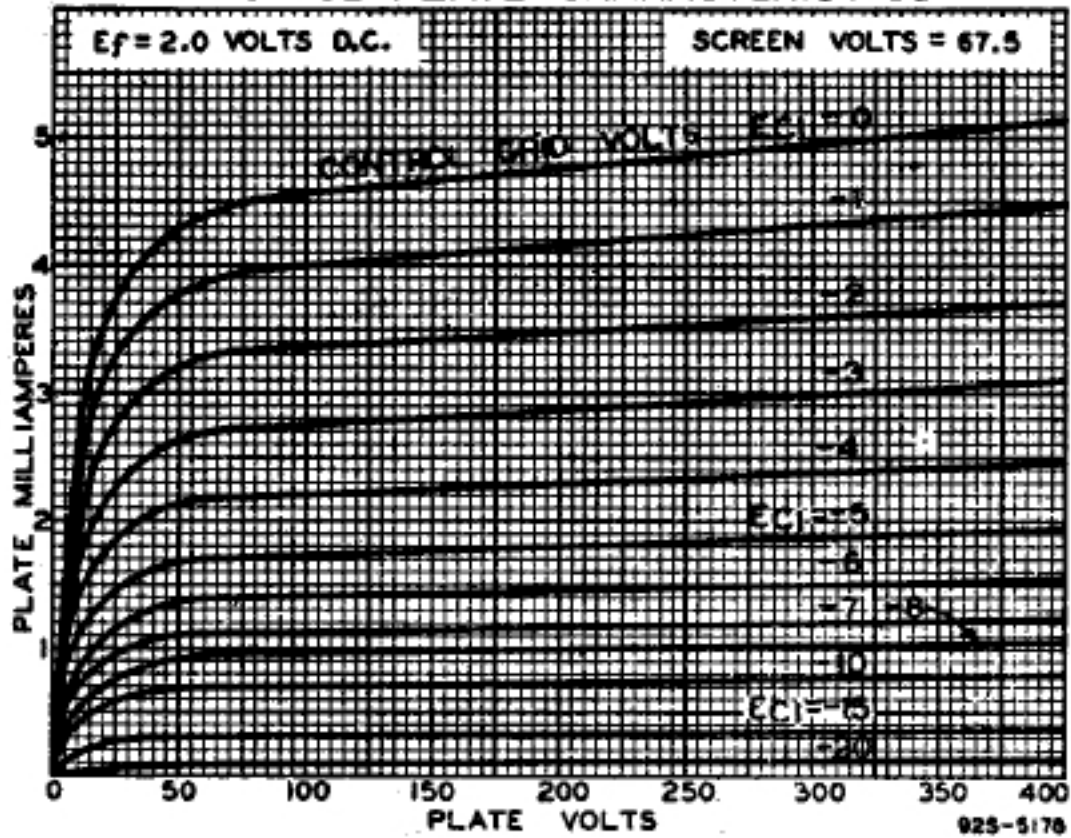
• Negative filament return. The grid circuit resistance should not exceed 3 megohms for a single controlled stage, 2.5 megohms for two controlled stages, or 3 megohms for three controlled stages.



925-5365

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## AVERAGE PLATE CHARACTERISTICS



## AVERAGE CHARACTERISTICS

