

RCA-34

SUPER-CONTROL R-F AMPLIFIER PENTODE

Filament Voltage	Coated		
Current	2.0		d-c volts
	0.060		amp.
Direct Interelectrode Capacitances:			
Grid to Plate (with shield-can)		0.015 max.	μuf
Input		6.0	μuf
Output		11.5	μuf
Overall Length		4-25/32" to 5-1/32"	
Maximum Diameter		1-13/16"	
Bulb	(2)	(3)	ST-14
Cap			Small Metal
Base			Medium 4-Pin
Pin 1-Filament+			Pin 4-Filament-
Pin 2-Plate	(1)	(4)	Cap -Grid
Pin 3-Screen			

BOTTOM VIEW

AMPLIFIER (Class A)

Operating Conditions and Characteristics:

Filament	2.0	2.0	2.0	d-c volts
Plate	67.5	135	180 max.	volts
Screen	67.5	67.5	67.5	max. volts
Grid	-3	-3	-3	min. volts
Amp. Fact.	224	360	620	
Plate Res.	400000	600000	1000000	ohms
Mut. Cond.	560	600	620	μmhos
Mut. Cond. *	15	15	15	μmhos
Plate Cur.	2.7	2.8	2.8	ma.
Screen Cur.	1.1	1.0	1.0	ma.

* At -22.5 volts bias.

MIXER

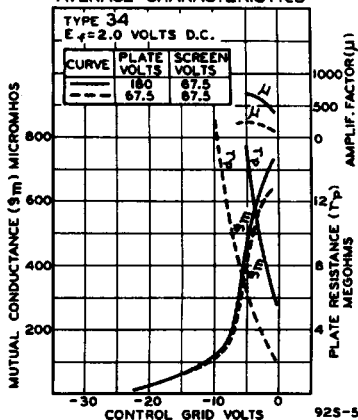
In Superheterodyne Circuits

Operating Conditions with Variable Bias:

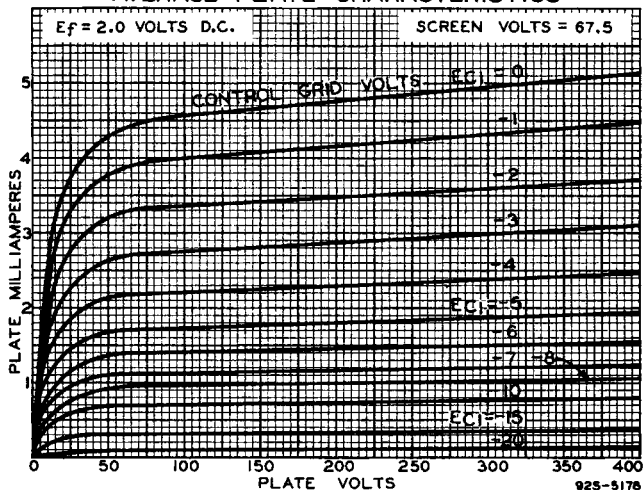
Filament	2.0	2.0	2.0	d-c volts
Plate	67.5	135	180 max.	volts
Screen	67.5	67.5	67.5	max. volts
Grid	-5	-5	-5	approx. volts

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

AVERAGE CHARACTERISTICS



AVERAGE PLATE CHARACTERISTICS



AVERAGE CHARACTERISTICS

