

RCA-34

SUPER-CONTROL R-F AMPLIFIER PENTODE

Filament	Coated	
Voltage	2.0	d-c volts
Current	0.060	amp.
Direct Interelectrode Capacitances:		
Grid to Plate (with shield-can)	0.015 max.	µf
Input	6.0	µf
Output	11.5	µf
Overall Length	4-25/32" to 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		

(2) (3)

(1) (4)

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

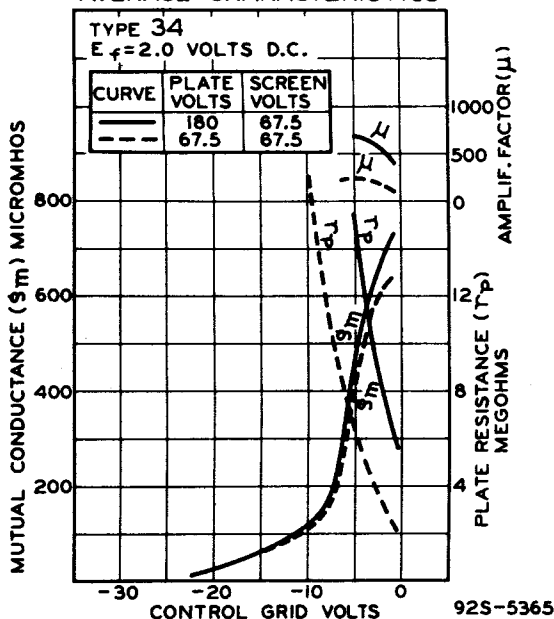
In Superheterodyne Circuits

Operating Conditions with Variable Bias:

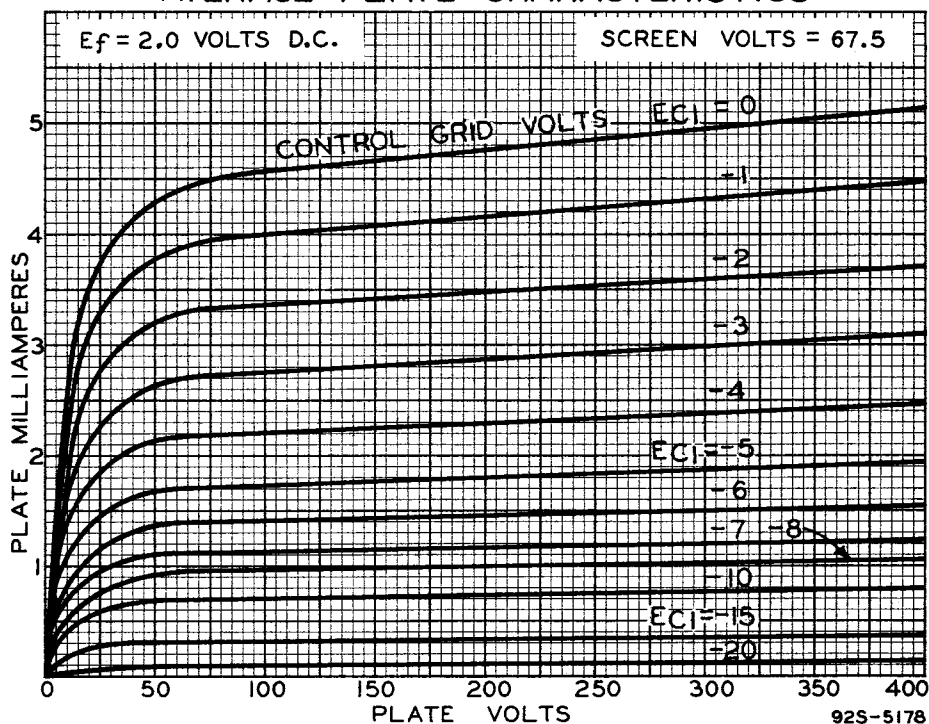
Filament	2.0	2.0	2.0	d-c volts
Plate	67.5	135	180 max.	volts
Screen	67.5	67.5	67.5	max.volts
Grid	-5	-5	-5	approx.volts

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

