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RCA-40

VOLTAGE AMPLIFIER

Filament	Thoriated Tungsten		
Voltage	5.0		d-c volts
Current	0.25		amp.
Direct Interelectrode Capacitances:			
Grid to Plate	8.0		μ f
Grid to Filament	2.8		μ f
Plate to Filament	2.2		μ f
Maximum Overall Length			4-11/16"
Maximum Diameter			1-13/16"
Bulb	②	③	ST-14
Base			Medium 4-Pin Bay
Pin 1-Filament+	①	④	Pin 3-Grid
Pin 2-Plate			Pin 4-Filament-

BOTTOM VIEW

AMPLIFIER (Class A)

Operating Conditions and Characteristics:

Filament	5.0	5.0	d-c volts
Plate Supply**	135	180	volts
Grid	-1.5	-3	volts
Load Res.	250000	250000	ohms
Amp. Fact.	30	30	
Plate Res.	150000	150000	ohms
Mut. Cond.	200	200	μ mhos
Plate Cur.	0.2	0.2	ma.

DETECTOR

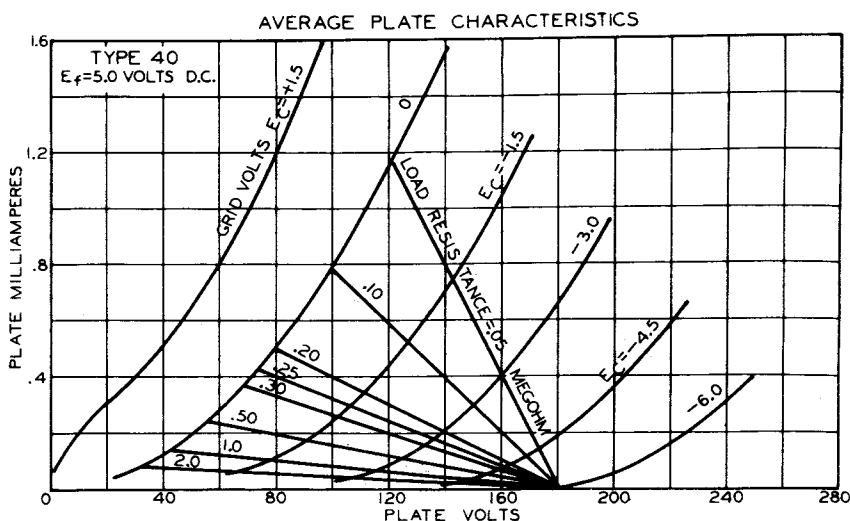
Typical Operation:	<u>Biased</u>		<u>Grid-Leak</u>	
Filament	5.0	5.0	5.0	d-c volts
Plate Supply**	135	180	135 to 180	volts
Grid	-3	-4.5	Return to (+)Fil.	volts
Load Res.	0.25	0.25	0.25	megohm
Grid Leak	-	-	2 to 5	megohms
Grid Condenser	-	-	0.00025	μ f

□ Effective voltage at plate will be "plate-supply" voltage minus the voltage drop in load caused by plate current.

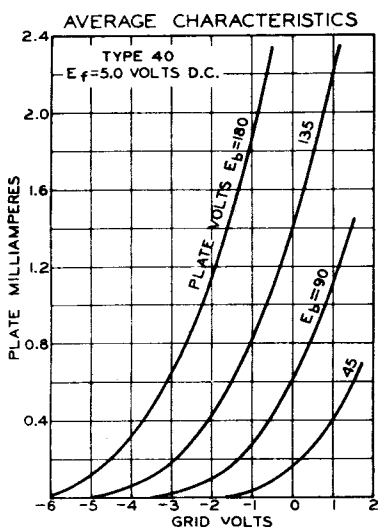
* Voltage effective at plate should not exceed 180 volts.

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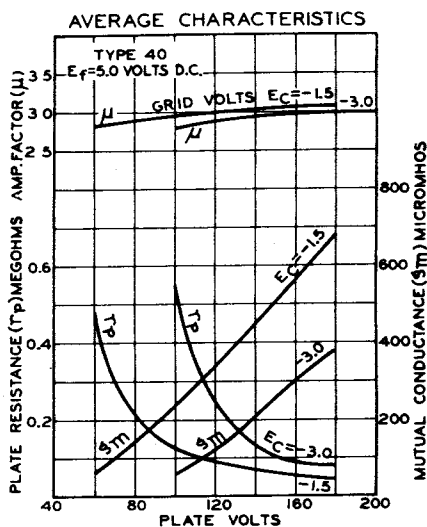
CHARACTERISTICS CURVES



CE-510R3



CE-531R2



CE-564R3