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POWER AMPLIFIER

Filament Voltage	Coated 2.5	a-c or d-c volts
Filament Current	1.5	amp.
Direct Interelectrode Capacitances:		
Grid to Plate	7	μF
Grid to Filament	4	μF
Plate to Filament	3	μF
Maximum Overall Length		4-11/16"
Maximum Diameter		1-13/16"
Bulb		ST-14
Base		Medium 4-Pin
Pin 1 - Filament		pin 3 - Grid
Pin 2 - Plate		pin 4 - Filament
Mounting Position	BOTTOM VIEW	vertical, base down



CLASS A AMPLIFIER

Operating Conditions and characteristics:

Filament	2.5	2.5	2.5	a-c volts
Plate	180	250	275 max.	volts
Grid ^a	-31.5	-50	-50	volts
Amp. Fact.	3.5	3.5	3.5	
Plate Res.	1680	1610	1700	ohms
Transcond.	2125	2175	2050	μhos
Plate Cur.	31	34	34	ma.
Load Res.	2700	3900	4600	ohms
U.P.O.	825	1600	2000	mw.

^a Cathode-bias is advisable in all cases; required if grid-coupling resistor (max. value 1.0 megohm) is used.

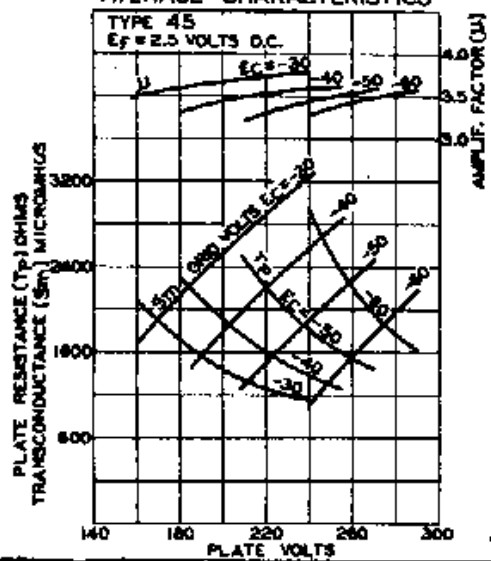
CLASS AB₂ AMPLIFIER

Typical Operation: Values are for 2 tubes

	Fixed Bias	Cathode Bias	a-c volts
Filament	2.5	2.5	
Plate	275	275	max. volts
Grid	-48	-	volts
Cathode resistor	-	775	ohms
Average Driving Power (grid to grid)	456	440	mw.
Zero-Sig. Plate Current	20	36	ma.
Max.-Sig. Plate Current	138	80	ma.
Load Resistance (per tube)	800	1245	ohms
Effective Load Res. (plate to plate)	3200	5060	ohms
Total Harmonic Distortion	5	5	%
Power output	18	12	watts

^a Grid volts measured from mid-point of a-c operated filament.
^b Horizontal operation permitted if plane of filament is vertical.

AVERAGE CHARACTERISTICS



APRIL 20, 1938

RCA RADIODIODE DIVISION
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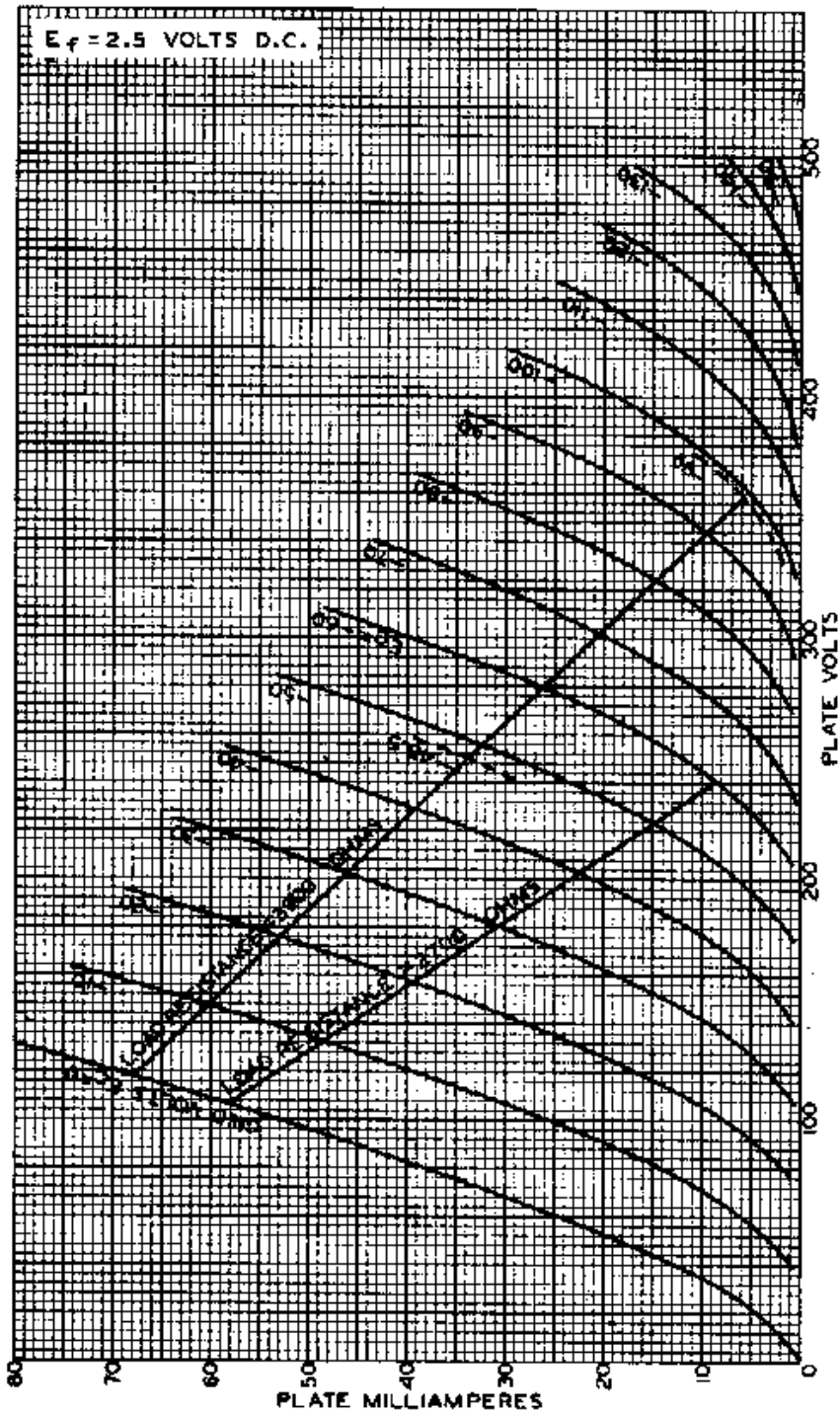
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AVERAGE PLATE CHARACTERISTICS



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