



IF4

IF4
IF5-G**POWER AMPLIFIER PENTODE**

Filament	Coated	
Voltage	2.0	d-c volts
Current	0.12	amp.
Maximum Overall Length		4-11/16"
Maximum Diameter		1-13/16"
Bulb		ST-14
Base		Medium 5-Pin
Pin 1 - Filament +		Pin 4 - Screen
Pin 2 - Plate		Pin 5 - Filament -
Pin 3 - Grid		
Mounting Position	BOTTOM VIEW (5K)	Vertical, Base Down ◊

Maximum Ratings, Typical Operating Conditions, and Curves are the same as for Type 1F5-G.

◊ Horizontal operation is permissible if pins 1 and 5 are in vertical plane.

IF5-G

**POWER AMPLIFIER PENTODE**

Filament	Coated	
Voltage	2.0	d-c volts
Current	0.12	amp.
Maximum Overall Length		4-5/8"
Maximum Diameter		1-13/16"
Bulb		ST-14
Base		Medium Shell Octal 7-Pin
Pin 1 - No Connection		Pin 5 - Grid
Pin 2 - Filament +		Pin 7 - Filament -
Pin 3 - Plate		Pin 8 - No Connection
Pin 4 - Screen		
Mounting Position	BOTTOM VIEW (G-6X)	Vertical, Base Down ◊

AMPLIFIER - Class A₁

Plate Voltage		180 max. volts
Screen Voltage		180 max. volts
Plate Dissipation		1.75 max. watts
Screen Dissipation		0.75 max. watt
Typical Operation:		
Filament Voltage	2.0	2.0 d-c volts
Plate Voltage	90	135 volts
Screen Voltage	90	135 volts
Grid Voltage*	-3	-4.5 volts
Cathode Resistor	588	432 ohms
Peak A-F Grid Voltage	3	4.5 volts
Plate Resistance (approx.)	0.24	0.20 megohm
Transconductance	1400	1700 μmhos
Plate Current	4	8 ma.
Screen Current	1.1	2.4 ma.

◊ Horizontal operation is permissible if pins 2 and 7 are in a vertical plane.
* See next page.

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POWER AMPLIFIER PENTODE

(continued from preceding page)

Load Resistance	20000	16000	ohms
Total Harmonic Distortion	6	5	%
Power Output	110	310	mw.

PUSH-PULL AMPLIFIER - Class AB₁

Plate Voltage	180 max.	volts
Screen Voltage	180 max.	volts
Plate Dissipation	1.75 max.	watts
Screen Dissipation	0.75 max.	watt

Typical Operation:

Values are for two tubes

Filament Voltage	2.0	a-c	volts
Plate Voltage	180		volts
Screen Voltage	180		volts
Grid Voltage*	-7.5		volts
Peak A-F Grid-to-Grid Voltage	15		volts
Zero-Sig. Plate Current	19		ma.
Max.-Sig. Plate Current	21		ma.
Zero-Sig. Screen Current	5.5		ma.
Max.-Sig. Screen Current	7		ma.
Load Resistance (plate to plate)	20000		ohms
Total Harmonic Distortion	4.5		%
Max.-Sig. Power Output	1.25		watts

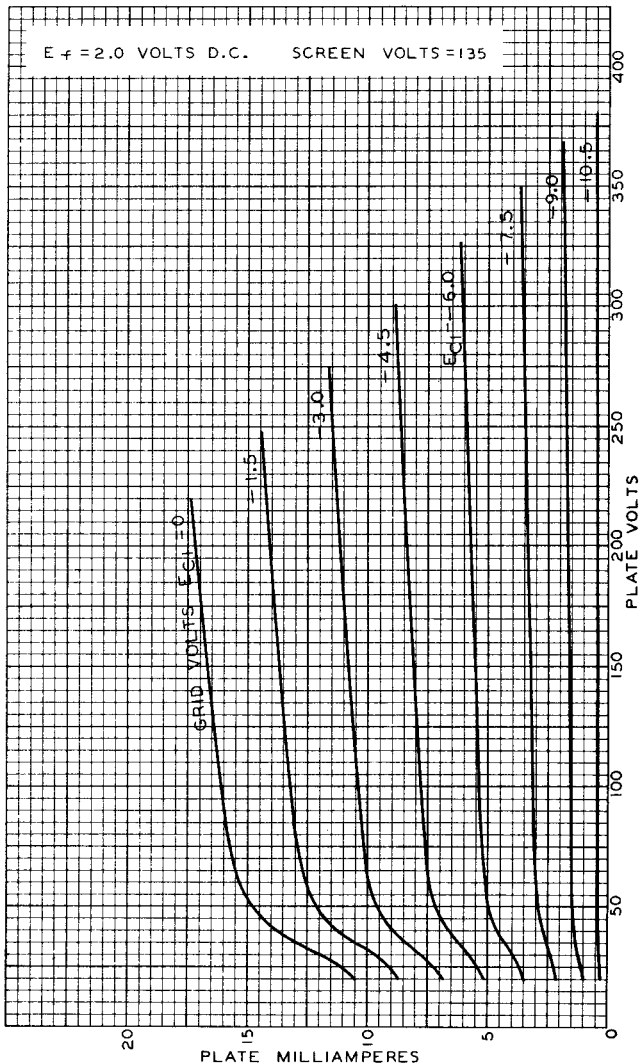
* The d-c resistance in the grid circuit should be limited to 1.0 megohm with cathode bias, or 0.5 megohm with fixed bias.



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AVERAGE PLATE CHARACTERISTICS



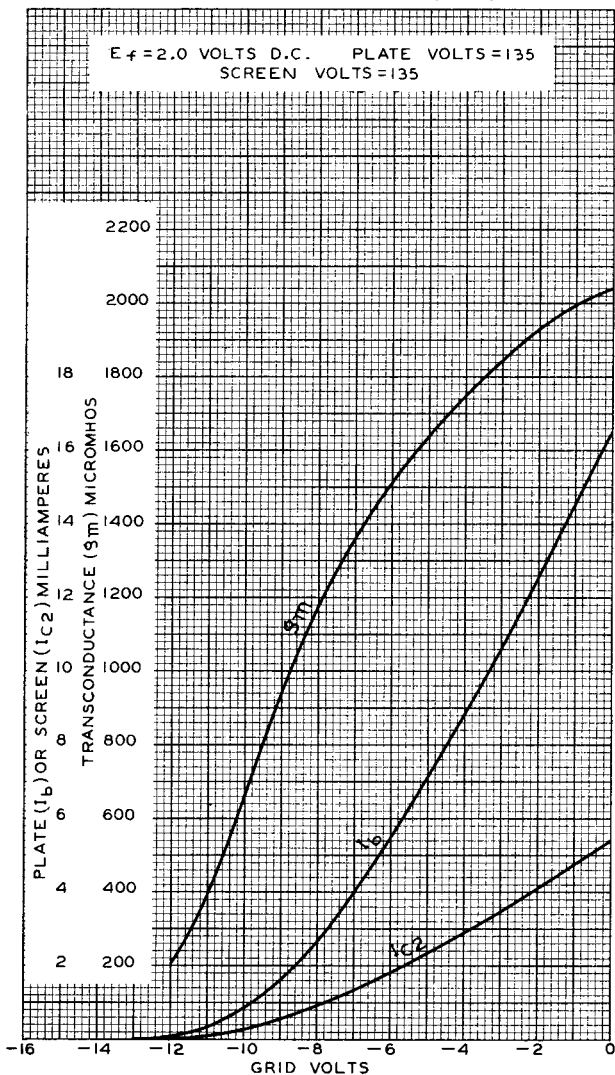
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AVERAGE CHARACTERISTICS

$E_f = 2.0$ VOLTS D.C. PLATE VOLTS = 135
SCREEN VOLTS = 135



JAN. 8, 1940

RCA RADIOTRON DIVISION
RCA MANUFACTURING COMPANY, INC.

92C-6125