



5W4, 5W4-GT/G

5W4
5W4-GT/G

FULL-WAVE HIGH-VACUUM RECTIFIER

Filament Voltage	Coated 5.0	a-c volts
Current	1.5	amp.

Maximum Overall Length
Maximum Seated Height
Maximum Diameter

5W4	5W4-GT/G
3-1/4"	3-3/8"
2-11/16"	2-13/16"
1-5/16"	1-5/16"

Bulb

Metal Shell, MT-8

Base

{ Small Wafer
Octal 5-Pin

{ Intermed. Sh.
Octal 5-Pin

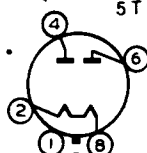
Basing Designation

Pin 1 { 5W4, Shell

Pin 1 { 5W4-GT/G, No Con.

Pin 2 - Filament

Mounting Position



BOTTOM VIEW

Pin 4 - Plate #2
Pin 6 - Plate #1
Pin 8 - Filament

Vertical

Maximum Ratings Are Design-Center Values

FULL-WAVE RECTIFIER

Peak Inverse Plate Voltage	1400 max. volts
Peak Plate Current per Plate	300 max. ma.

D-C Output Current:

With condenser input to filter

100 max. ma.

With choke input to filter

100 max. ma.

Typical Operation:

Condenser-
Input Filter

Choke-
Input Filter

A-C Plate-to-Plate

Supply Voltage (RMS)

700

1000 volts

Filter Input Condenser

4

- μ f

Min. Total Effect. Plate-

Supply Imped. per Plate

50

- ohms

Filter Input Choke

-

6 henries

D-C Output Current

100

100 ma.

D-C Voltage (At input to filter):*

At half-load current (50 ma.)

410

420 volts

At full-load current (100 ma.)

360

405 volts

Difference (Voltage Regulation)

50

15 volts

Percentage Regulation

12

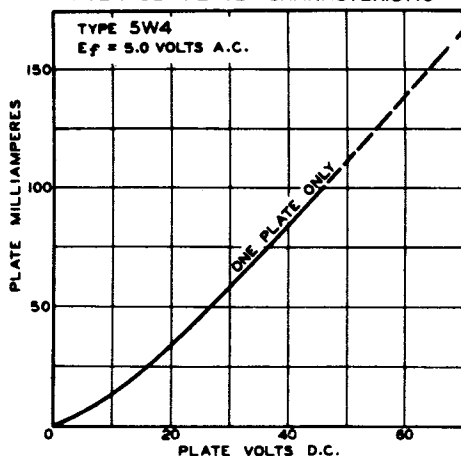
3.5 %

Horizontal operation of the 5W4 permitted if pins 2 and 8 are in a vertical plane. Horizontal operation of the 5W4-GT/G permitted if pins 2 and 8 are in a horizontal plane.

For choke not less than 6 henries.

* Approximate values.

AVERAGE PLATE CHARACTERISTIC



Indicates a change.

92C-6008R1

Mar. 20, 1943

RCA VICTOR DIVISION
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

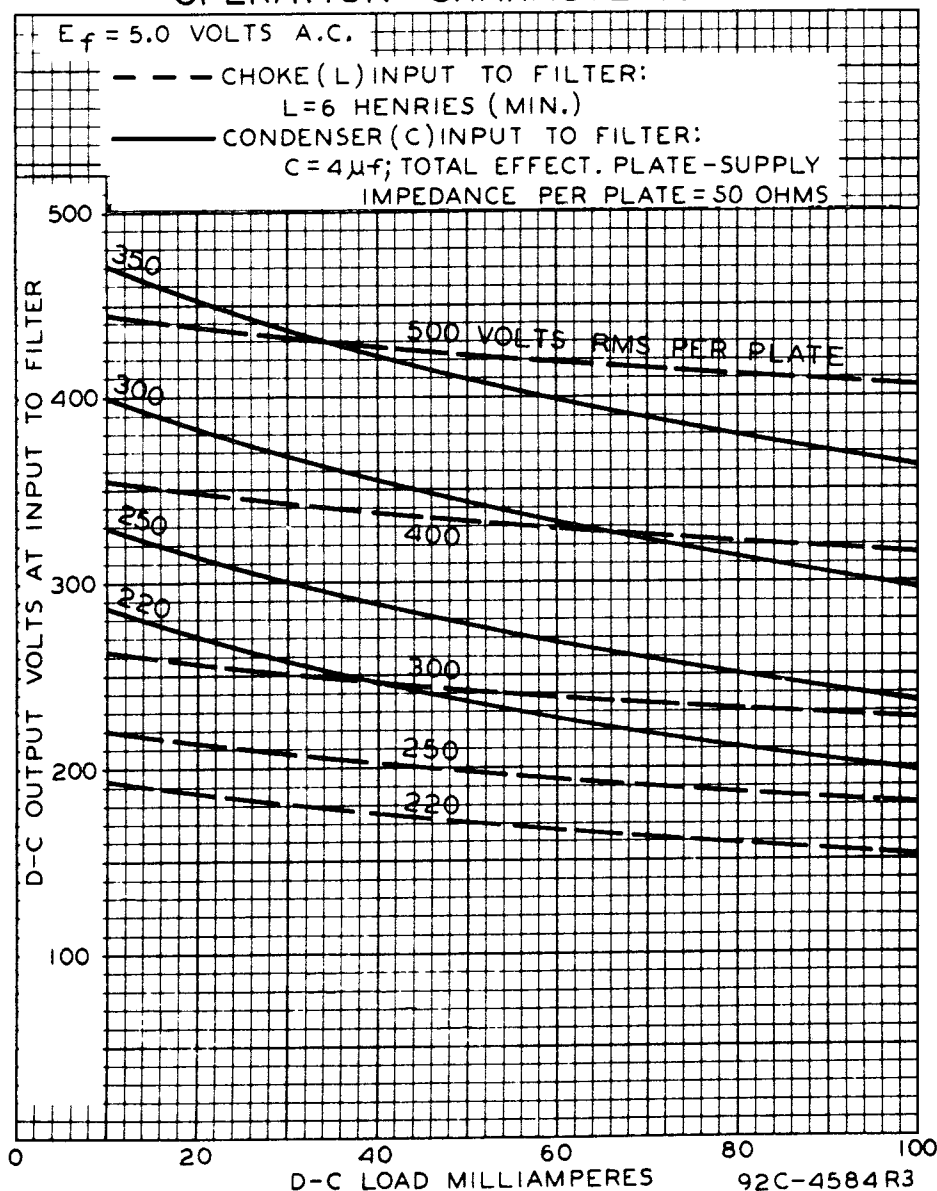
DATA

5W4
5X4-G



5W4

OPERATION CHARACTERISTICS



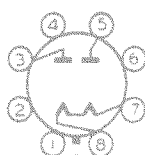
5X4-G

FULL-WAVE HIGH-VACUUM RECTIFIER

Filament
Voltage
Current
Maximum Overall Length
Maximum Seated Height
Maximum Diameter
Bulb
Base
Pin 1 - No Connection
Pin 2 - No Connection
Pin 3 - Plate #2
Pin 4 - No Connection
Mounting Position

Coated
5.0
3.0

a-c volts
amp.
5-5/16"
4-3/4"
2-1/16"
ST-16



BOTTOM VIEW (G-5Q)

Medium Shell Octal 8-Pin
Pin 5 - Plate #1
Pin 6 - No Connection
Pin 7 - Filament
Pin 8 - Filament
Vertical

◇ Horizontal operation permitted if pins 2 and 7 are in horizontal plane.
Maximum Ratings, Operating Conditions, and Curves
for the 5X4-G are the same as those for Type 5U4-G.

Mar. 20, 1943

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DATA