

RADIO MANUFACTURERS ASSOCIATION



SUITE 701-4 AMERICAN BUILDING
1317 F STREET, N. W.
WASHINGTON, D. C.

SUB-COMMITTEE ON TUBE NUMBERING

E. W. WILBY, CHAIRMAN
711 FIFTH AVENUE
NEW YORK, N. Y.

July 27th, 1936.

To Tube Engineers:

RMA Tube Standardization
Release #83 re 5U4G.

The attached data will provide you with information on the characteristics and ratings of the tube type 5U4G, a full-wave high vacuum 5.0 volt 3.0 ampere heater type rectifier.

As the characteristics of this tube are identical with the now standard tube type 5X4G, it is believed that the forwarding of samples will not be necessary.

The attached data sheet is furnished you through the courtesy of the Hygrade-Sylvania Corporation.

Very truly yours,

Edward W. Wilby
Chairman
Tube Numbering

eww;lg

**E. I. A.
REGISTRATION
FILE**

TYPE 5U4G

FULL WAVE HIGH VACUUM RECTIFIER

CHARACTERISTICS

Heater Voltage AC	5.0	Volts
Heater Current	3.0	Amperes
Maximum Over-all Length	5-11/32"	
Maximum Diameter	2-1/16"	
Bulb	ST-16	
Base	Medium Octal	

Basing Connection:

Pin 1 - No Connection	Pin 5 - No Connection
Pin 2 - Filament	Pin 6 - Plate
Pin 3 - No Connection	Pin 7 - No Connection
Pin 4 - Plate	Pin 8 - Filament

OPERATING CONDITIONS AND CHARACTERISTICS

Heater Voltage AC	5.0	Volts
A-C Voltage per Plate (RMS)	500	Volts Max.
D-C Output Current	250	Ma. Max.

NOTE: These characteristics are identical with Type 5X4G.

7-25-36

JOINT ELECTRON TUBE ENGINEERING COUNCIL



650 SALMON TOWER
11 WEST FORTY-SECOND STREET
NEW YORK 36, N.Y.
TELEPHONE: LONGACRE 5-3450

Announcement
of
Electron Device Type Reregistration

Release No. 83A (Tentative)*

September 6, 1955

The Joint Electron Tube Engineering Council announced the registration of the following JETEC tube type designation

5U4G

on July 27, 1936, in Release No. 83, under the sponsorship of Sylvania Electric Products, Inc., Emporium, Pennsylvania.

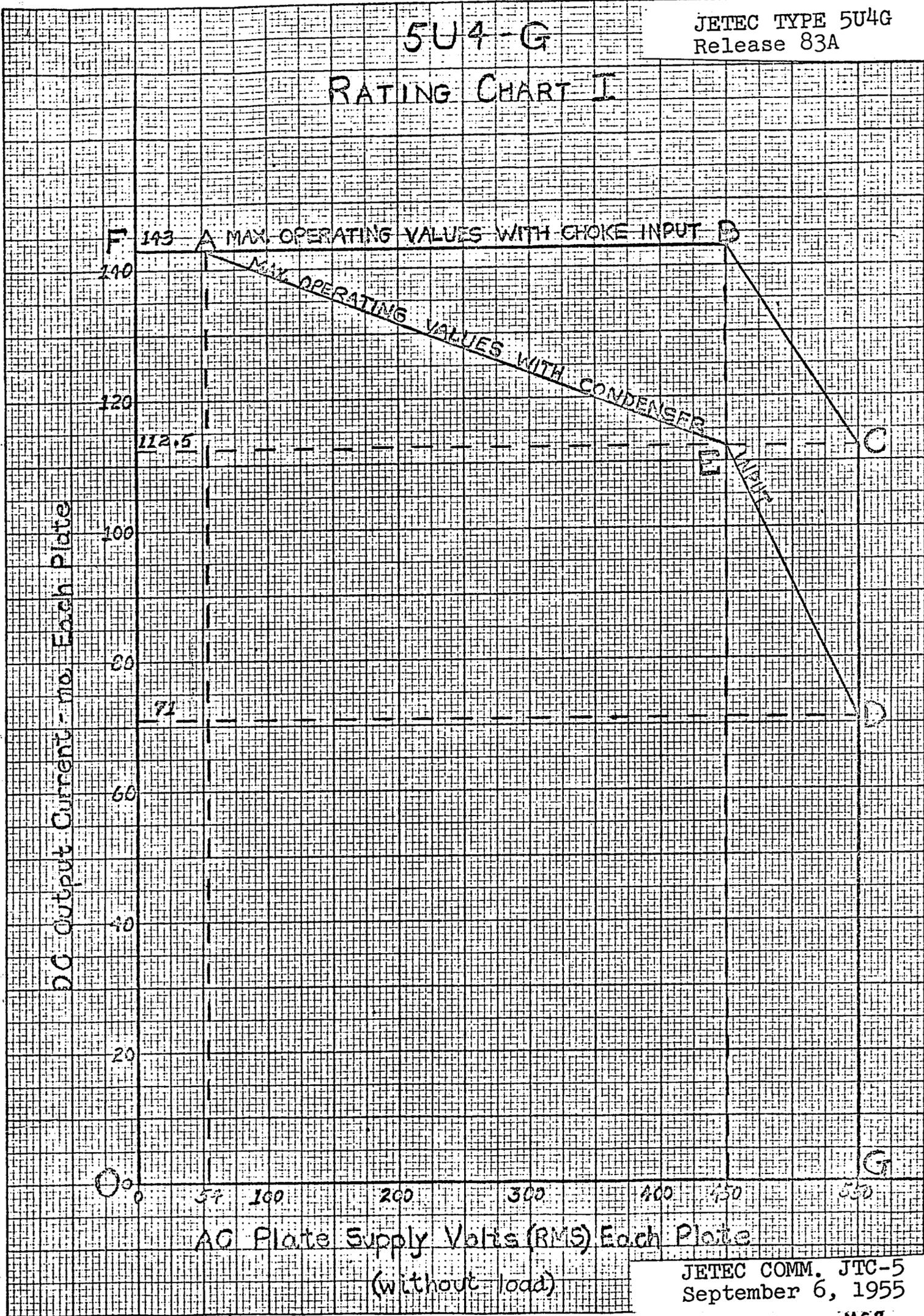
The attached material has been prepared by JTC-5, Committee on Receiving Tubes, in accordance with accepted procedures of the Joint Electron Tube Engineering Council. Upon expiration of the thirty day approval period, this data will supersede all previously registered specifications.

*Unless valid objection to this reregistration is lodged with the RETMA Engineering Office prior to October 6, 1955, this reregistration will be made and this information will be considered "FINAL" WITHOUT FURTHER NOTICE!

5U4-G

JETEC TYPE 5U4G
Release 83A

RATING CHART I



JETEC COMM. JTC-5
September 6, 1955

M.G.R.

5U4-G

JETEC TYPE 5U4G
Release 83A

RATING CHART III
CAPACITOR INPUT

Based on $\hat{I} = 200$ ma
Each Plate

DC Output Current - ma. Each Plate

160
140
120
100
80
60
40
20
0

Area of
Permissible
Operation

Rectification Efficiency

D.C. Output Voltage at Filter Input
Peak A.C. Input Voltage, Each Plate Without Load

JETEC COMM. JTC-5
September 6, 1955

M.G.R.

5U4-G

JETEC TYPE 5U4G
Release 83A

RATING CHART III
CAPACITOR INPUT

Based on transient
peak plate current of
4.0 amps each plate

Minimum Effective Plate Supply Resistance Each Plate - Ohms

120
100
80
60
40
20
0

AC Plate Supply Volts (RMS) Each Plate
(Without Load)

100 200 300 400 450 500

JETEC COMM. JTC-5
September 6, 1955
M.G.R.

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C O R R E C T I O N

Release No. 83A (Tentative)

September 26, 1955

The Joint Electron Tube Engineering Council announced the reregistration of the following tube type designation

5U4G

on September 6, 1955, in Release No. 83A, under the sponsorship of JTC-5, Committee on Receiving Tubes.

In the "Ratings" section directly under item "ELECTRICAL DATA" the value of max. steady-state peak plate current each plate is shown as 800 microamperes; actually the symbol ma. should be shown to indicate milliamperes which same value will then coincide with the conditions shown at the top of Rating Chart II.