

JOINT ELECTRON DEVICE ENGINEERING COUNCIL



2260 SALMON TOWER
11 WEST FORTY-SECOND STREET
NEW YORK 36, N. Y.
TELEPHONE: LONGACRE 5-0717

Announcement
of
Electron Device Type Reregistration

Release No. 1754A (Tentative)*

January 2, 1961

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

The Joint Electron Device Engineering Council announced the reregistration of the following electron device designation

OZ4A

on October 15, 1956, Release No. 1754, under the sponsorship of Raytheon Company, Newton, Massachusetts.

The Radio Corporation of America now proposes reregistration based on the following data:

<u>ITEM</u>	<u>AS REGISTERED</u>	<u>AS PROPOSED</u>
Base	Small Wafer Octal 5-Pin	JEDEC Group 1, B5-215
Outline Drawing	See Release	JEDEC No. 8-1
Pin Connections:	Shell	Shell
Pin 1	Plate #2	Plate #2
Pin 3	Plate #1	Plate #1
Pin 5	No connection	Delete
Pin 6	Not shown	No connection
Pin 7	Cathode	Cathode
Pin 8		
Under ELECTRICAL DATA:		
Average Dynamic Voltage Drop	24 Volts	Delete
Tube Voltage Drop for plate ma = 110 (per plate)	None	24 volts

*Unless valid objection to this reregistration is lodged with the EIA Standards Laboratory prior to February 2, 1961, this reregistration will be made and this information will be considered "FINAL" WITHOUT FURTHER NOTICE!

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 Registration

Release No. 1754

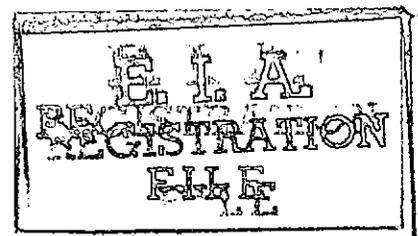
October 15, 1956

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

OZ4A

according to the ratings and characteristics found on the attached data sheets on the application of

Raytheon Manufacturing Company
Newton, Massachusetts





Excellence in Electronics

**TYPE
OZ4A/1003**

The OZ4A/1003 is a gas-filled, double diode employing an ionic-heated cathode. Its principal application is as a full-wave power rectifier in equipment with vibrator type power supplies.

MECHANICAL DATA

ENVELOPE: MT-8 Metal

BASE: Small Wafer Octal 5-Pin

TERMINAL CONNECTIONS:

Pin 1 Shell	Pin 6 No Connection
Pin 3 Plate #2	Pin 8 Cathode
Pin 5 Plate #1	

MOUNTING POSITION: Any

ELECTRICAL DATA

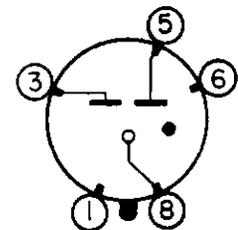
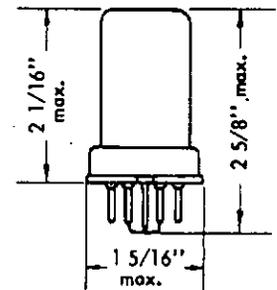
DESIGN CENTER MAXIMUM RATINGS:

Max. Peak Inverse Plate Voltage	880 volts
Max. Peak Plate Current	330 ma.
Absolute Min. Peak Starting Voltage, per Plate (Full-Wave)	300 volts
Max. DC Output Current	110 ma.
Absolute Min. DC Output Current ●	30 ma.
Min. Total Effective Plate Supply Impedance, per Plate †	300 ohms

CHARACTERISTICS AND TYPICAL OPERATION - VIBRATOR OPERATION - FULL-WAVE

Peak Plate Voltage, per Plate ▲	440 volts
Filter Input Condenser	8 μf
Total Effective Plate Supply Impedance, per Plate †	600 ohms
Average Dynamic Voltage Drop	24 volts
DC Output Current	100 ma.
DC Output Voltage	310 volts

- Under no circumstances should the tube be operated with less than 30 ma. of cathode current.
- ▲ Open Circuit Voltage - flat portion of transformer voltage wave.
- † Including vibrator, transformer and wiring.



BOTTOM VIEW

4R

Tentative Data

RAYTHEON MANUFACTURING COMPANY
RECEIVING AND CATHODE RAY TUBE OPERATIONS

2101

1754A

RADIO CORPORATION OF AMERICA
ELECTRON TUBE DIVISION
HARRISON, NEW JERSEY



December 19, 1960

Mr. G. F. Hohn
EIA Standards Lab
32 Green Street
Newark 2, N.J.

Dear Sir:

Release No. 1754 dated October 15, 1956 covered registration of tube type OZ4A.

We are proposing reregistration of this type as regards the following items:

<u>ITEM</u>	<u>AS REGISTERED</u>	<u>AS PROPOSED</u>
Base	Small Wafer Octal 5-Pin	JEDEC Group 1, B5-215
Outline Drawing	See Release	JEDEC No.8-1
Pin Connections:		
Pin 1	Shell	Shell
Pin 3	Plate No.2	Plate No.2
Pin 5	Plate No.1	Plate No.1
Pin 6	No Connection	Delete
Pin 7	Not Shown	No Connection
Pin 8	Cathode	Cathode

Under ELECTRICAL DTA:

Average Dynamic Voltage Drop	24	Delete	volts
Tube Voltage Drop for plate ma = 110 (per plate)	None	24	volts

Very truly yours,

C. D. Mitchell
C. D. Mitchell
Administrator, Commercial
Engineering Coordination

CDM:em

