

Technical Data for RCA Tube Types

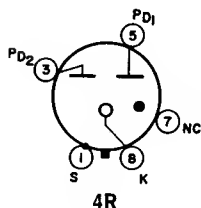
THIS section contains technical descriptions of RCA tubes used in standard broadcast, FM, and television receivers, in audio amplifiers, and in many other diverse applications. It includes detailed data on current types, including characteristics curves in many cases. Essential information on types intended primarily for replacement use and on discontinued types in which there may still be some interest is given in chart form at the end of the section. Characteristics charts for RCA television picture tubes for replacement use and for RCA voltage-regulator and voltage-reference tubes are given in the following section.

In choosing tube types for the design of new electronic equipment, the designer should refer to the **Application Guide for RCA Receiving Tubes** in the pages immediately preceding this section.

Tube types are listed in this section according to the numerical-alphabetical sequence of their type designations. For Key: Basing Diagrams, see inside back cover.

Refer to chart at end of data section.

OZ4



FULL-WAVE GAS RECTIFIER

OZ4A

Metal type used as a power rectifier in equipment with vibrator-type power supplies. Outlines section, 2A; requires octal socket. This tube, like other power-handling tubes, should be adequately ventilated.

Full-Wave Rectifier

MAXIMUM AND MINIMUM RATINGS (Design-Center Values)

Peak Inverse Plate Voltage (Per Plate)	880 max	volts
Peak Starting-Supply Voltage (Per Plate)	300 [▲] min	volts
Peak Plate Current (Per Plate)	330 max	mA
DC Output Current	110 max	mA
	30 [▲] min	mA

TYPICAL OPERATION WITH VIBRATOR-TYPE POWER SUPPLY AND CAPACITOR INPUT TO FILTER

Peak Plate Supply Voltage (Per Plate) [‡]	440	volts
Filter-Input Capacitor	8	μ F
Total Effective Plate Supply Impedance (Per Plate)	600	ohms
DC Output at Input to Filter	310	volts
DC Output Current	100	mA

CHARACTERISTICS

Tube Voltage Drop for current of 110 mA (Per Plate)	24	volts
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MINIMUM CIRCUIT VALUE

Total Effective Plate-Supply Impedance (Per Plate)	300	ohms
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[▲] Absolute value. Under no circumstances should the tube be operated below the value shown.

[‡] Open-circuit voltage (flat portion of transformer voltage wave).

Refer to chart at end of section.

OZ4G