



8013-A

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HALF-WAVE VACUUM RECTIFIER

GENERAL DATA

Electrical:

Filament, Thoriated Tungsten:

	Min.	Av.	Max.	
Voltage	2.37	2.50	2.63	ac volts
Current at 2.50 volts . . .	4.7	5.0	5.3	amp

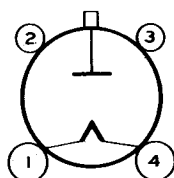
Mechanical:

Mounting Position . . Any, preferably vertical with base down
 Maximum Overall Length 6-1/16"
 Seated Length 5-9/32" $\pm$ 5/32"
 Maximum Diameter 2-1/16"
 Weight (Approx.) 2.9 oz
 Bulb ST-16
 Cap Skirted Medium with Rolled Edge (JETEC No. C1-19)
 Base Medium-Shell Small 4-Pin (JETEC No. A4-9)
 Basing Designation for BOTTOM VIEW 4P

Pin 1 - Filament

Pin 2 - No Connection

Pin 3 - No Connection



Pin 4 - Filament

Cap - Plate

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Maximum Ratings, Absolute Values:

PEAK PLATE VOLTAGE:

Forward	40000 Δ max.	volts
Inverse	40000 Δ max.	volts

PLATE CURRENT:

Peak	150 max.	ma
Average	20 max.	ma
Fault	500 max.	ma

PLATE DISSIPATION	12 max.	watts
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OPERATING CONSIDERATIONS

Filament and *plate voltage* may be applied simultaneously to the 8013-A.

The *bulb* of the 8013-A should be cleaned regularly. Accumulation of dust or other foreign matter on the bulb will cause leakage and, as a result, probably tube failure.

X-rays are produced during normal operation of the 8013-A. These rays can constitute a health hazard unless the tube is adequately shielded for X-ray radiation. Although relatively simple shielding should prove adequate, make sure it provides the required protection to the operator.

Δ This value may be increased to 55000 volts when the 8013-A is immersed in oil.

$\leftarrow$ Indicates a change.

SEPT. 1, 1955

TUBE DIVISION

DATA

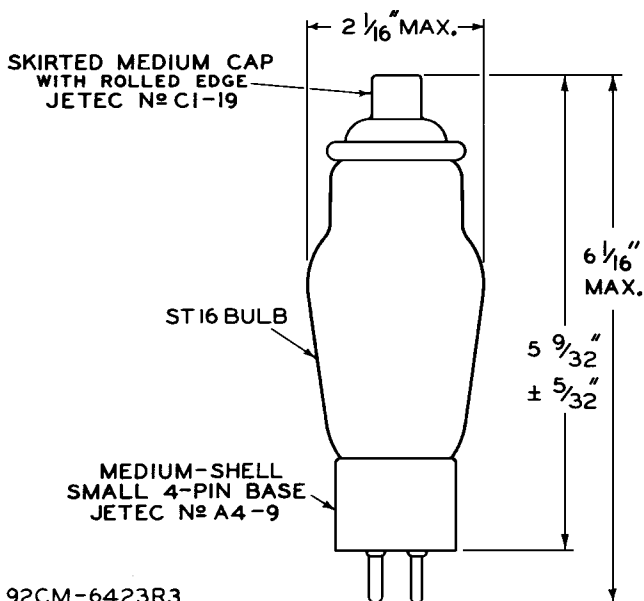
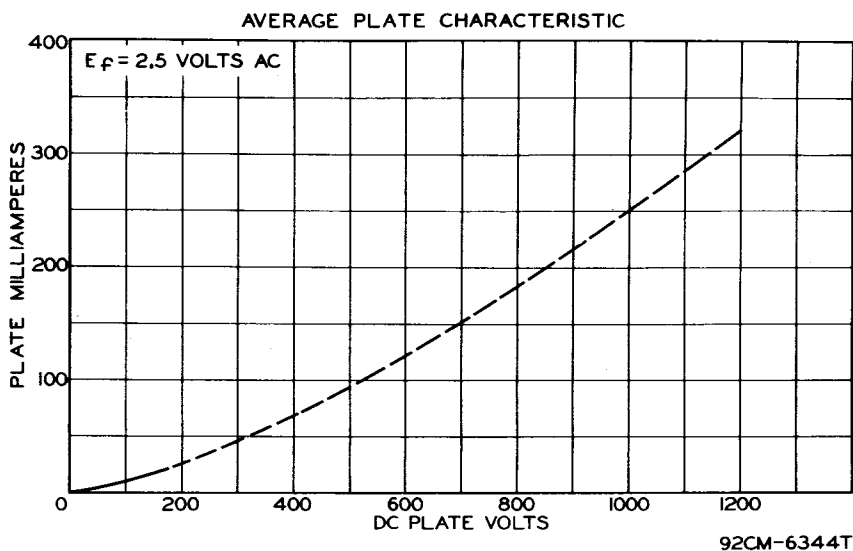
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

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