



8013-A

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# HALF-WAVE VACUUM RECTIFIER

## GENERAL DATA

### Electrical:

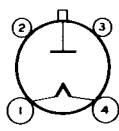
Filament, Thoriated Tungsten:

	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" ± 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:

<b>PEAK PLATE VOLTAGE:</b>			
Forward . . . . .	40000 <sup>▲</sup>	max.	volts
Inverse . . . . .	40000 <sup>▲</sup>	max.	volts
<b>PLATE CURRENT:</b>			
Peak . . . . .	150	max.	ma
Average . . . . .	20	max.	ma
Fault . . . . .	500	max.	ma
<b>PLATE DISSIPATION . . . . .</b>	<b>12</b>	<b>max.</b>	<b>watts</b>

## 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.

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

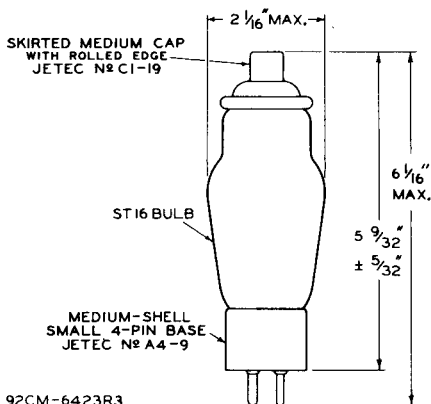
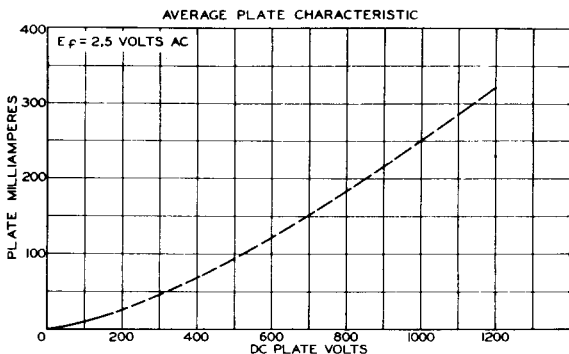
← Indicates a change.

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SEPT. 1, 1955

TUBE DIVISION  
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

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