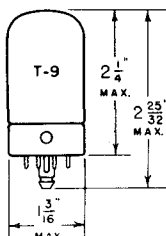


## TUNG-SOL

## DUO - DIODE

## HIGH-MU TRIODE AMPLIFIER

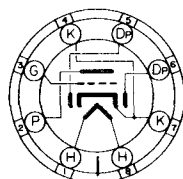


UNIPOTENTIAL CATHODE

HEATER

 6.3 VOLTS 0.3 AMPERE  
 AC OR DC

GLASS BULB



8W

BOTTOM VIEW

8 PIN LOCKING - IN BASE

THE TUNG-SOL 7B6 CONSISTS OF TWO DIODES AND A HIGH-MU TRIODE WITH A COMMON CATHODE. IT IS DESIGNED FOR SERVICE AS A DIODE DETECTOR, AVC RECTIFIER AND AN IMPEDANCE OR RESISTANCE COUPLED AMPLIFIER. ITS RATINGS AND ELECTRICAL CHARACTERISTICS ARE SIMILAR TO THOSE OF THE 6SQ7GT, 12SQ7GT, 75 AND THE 2A6.

## RATINGS

|                        |      |       |
|------------------------|------|-------|
| NOMINAL HEATER VOLTAGE | 7.0  | VOLTS |
| NOMINAL HEATER CURRENT | 0.32 | AMP.  |
| MAXIMUM PLATE VOLTAGE  | 250  | VOLTS |

## TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

CLASS A<sub>1</sub> AMPLIFIER

|                      |       |       |
|----------------------|-------|-------|
| PLATE VOLTAGE        | 250   | VOLTS |
| GRID VOLTAGE         | -2    | VOLTS |
| PLATE CURRENT        | 0.9   | MA.   |
| PLATE RESISTANCE     | 91000 | OHMS  |
| TRANSCONDUCTANCE     | 1100  | μMHOS |
| AMPLIFICATION FACTOR | 100   |       |

## DIODE UNITS - TWO

|                                 |     |     |
|---------------------------------|-----|-----|
| MINIMUM DIODE CURRENT PER PLATE | 0.8 | MA. |
| WITH 10 VOLTS DC APPLIED        |     |     |

FOR "INTERPRETATION OF RATINGS" REFER TO FRONT OF BOOK.

 PLATE  
 820-1

 AUG. 30  
 1940

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7B6

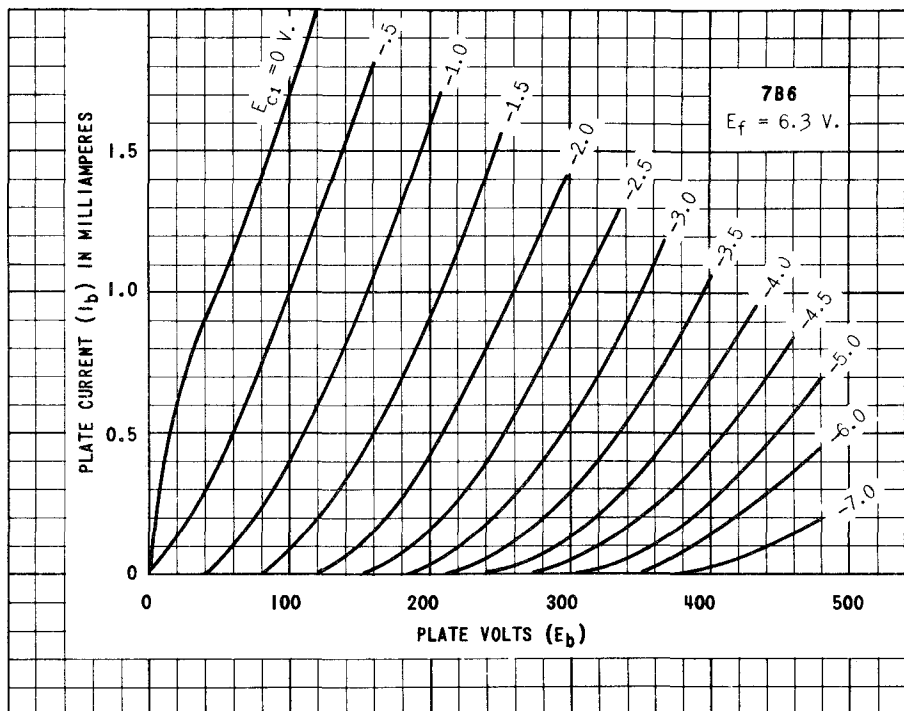


PLATE  
821-1