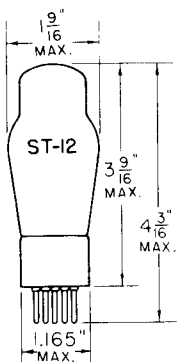


## TUNG-SOL

## DUO-DIODE TRIODE AMPLIFIER



1B5/25S

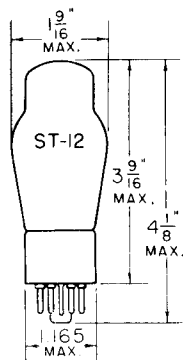
COATED FILAMENT

2.0 VOLTS      0.06 AMPERE  
DC

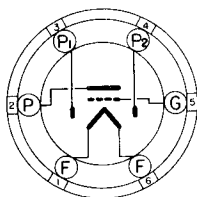
GLASS BULB

## MOUNTING POSITION

THESE TUBES SHOULD BE OPERATED VERTICALLY WITH BASE DOWN. HOWEVER, HORIZONTAL OPERATION MAY BE PERMITTED FOR TUBE TYPE 1B5/25S WHEN PINS 2 AND 5 ARE HORIZONTAL. THE SAME WILL BE TRUE FOR THE 1H6G TUBE TYPE WHEN PINS 2 AND 7 ARE HORIZONTAL.



1H6G



BOTTOM VIEW

SMALL 6 PIN BASE



BOTTOM VIEW

SMALL 8 PIN OCTAL BASE

THE 1B5/25S AND 1H6G COMBINE TWO DIODES AND A TRIODE IN A SINGLE BULB. THEY ARE DESIGNED FOR SERVICE AS DIODE DETECTORS, AVC RECTIFIERS, AND IMPEDANCE OR RESISTANCE COUPLED AMPLIFIERS IN BATTERY OPERATED RECEIVERS.

## DIRECT INTERELECTRODE CAPACITANCES

|               | 1B5/25S | 1H6G |                |
|---------------|---------|------|----------------|
| GRID TO PLATE | 3.6     | 3.6  | $\mu\text{mf}$ |
| INPUT         | 1.6     | 1.6  | $\mu\text{mf}$ |
| OUTPUT        | 1.9     | 1.9  | $\mu\text{mf}$ |

## OPERATING CONDITIONS AND CHARACTERISTICS

TRIODE UNIT - CLASS  $A_1$  AMPLIFIER

|                       |        |                  |
|-----------------------|--------|------------------|
| MAXIMUM PLATE VOLTAGE | 135    | VOLTS            |
| CONTROL GRID VOLTAGE  | -3.0   | VOLTS            |
| PLATE CURRENT         | 0.8    | MA.              |
| PLATE RESISTANCE      | 35 000 | OHMS             |
| TRANSCONDUCTANCE      | 575    | $\mu\text{MHOS}$ |
| AMPLIFICATION FACTOR  | 20     |                  |

# IH6G (1B5/25S)

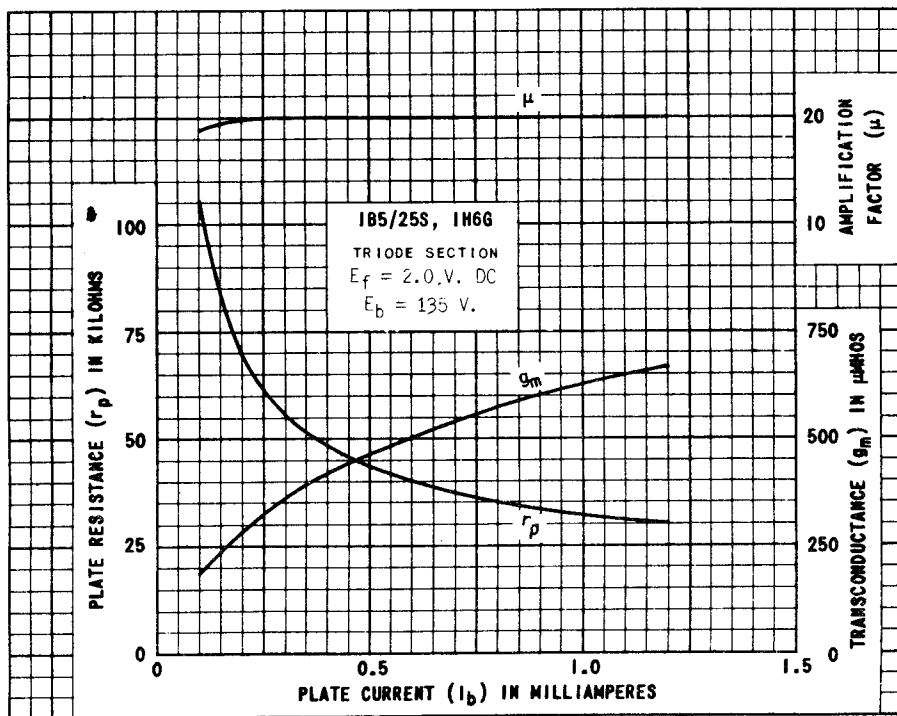
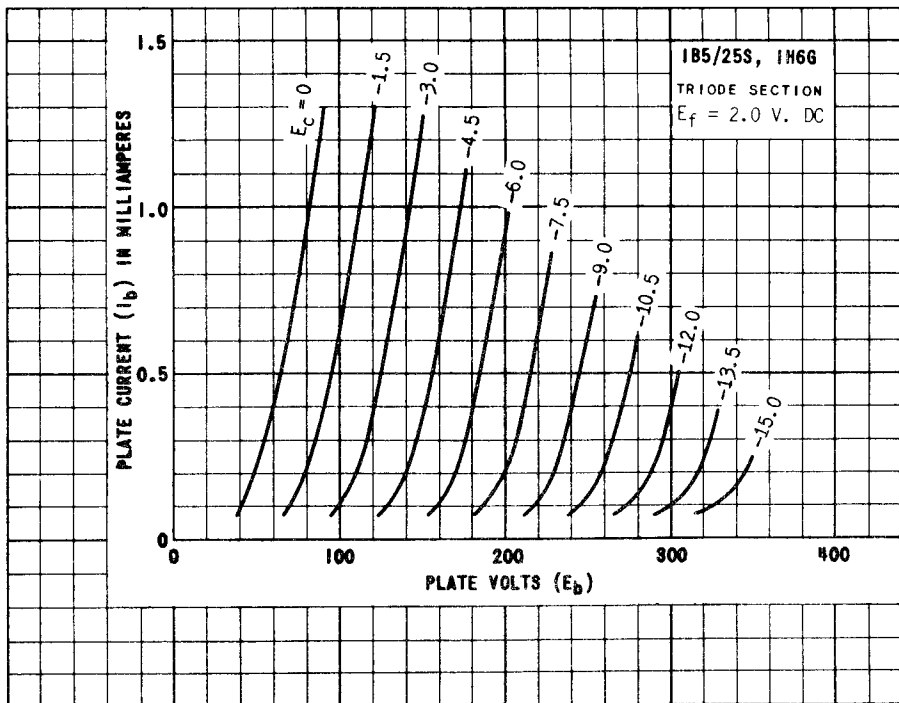


PLATE  
1506  
OCT. 31  
1944