

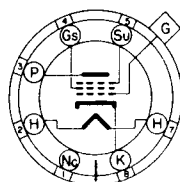
## TUNG-SOL

## TRIPLE GRID

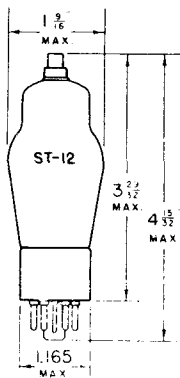
## REMOTE CUT-OFF AMPLIFIER

UNIPOTENTIAL CATHODE

HEATER

6.3 VOLTS 0.15 AMPERE  
AC OR DC

G-7Ra

BOTTOM VIEW  
SMALL 7 PIN OCTAL BASE

GLASS BULB

THE TUNG-SOL 6S7G IS A TRIPLE GRID REMOTE CUT-OFF AMPLIFIER RECOMMENDED FOR USE WHERE LOW HEATER CURRENT DRAIN IS DESIRABLE. IT IS SUITABLE FOR USE WITH AVC IN RF AND IF AMPLIFIERS, AND IT MINIMIZES CROSS MODULATION. ITS ELECTRICAL CHARACTERISTICS ARE SIMILAR TO THOSE OF THE 606.

## RATINGS

|                                    |      |       |
|------------------------------------|------|-------|
| MAXIMUM PLATE VOLTAGE              | 300  | VOLTS |
| MAXIMUM SCREEN SUPPLY VOLTAGE      | 300  | VOLTS |
| MAXIMUM SCREEN VOLTAGE             | 100  | VOLTS |
| MINIMUM EXTERNAL GRID BIAS VOLTAGE | 0    | VOLTS |
| MAXIMUM PLATE DISSIPATION          | 2.25 | WATTS |
| MAXIMUM SCREEN DISSIPATION         | 0.25 | WATT  |

## TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

CLASS A<sub>1</sub> AMPLIFIER

|                                      |                                |                     |        |
|--------------------------------------|--------------------------------|---------------------|--------|
| PLATE VOLTAGE                        | 135                            | 250 <sup>MAX.</sup> | VOLTS  |
| SCREEN VOLTAGE                       | 67.5                           | 100 <sup>MAX.</sup> | VOLTS  |
| CONTROL GRID VOLTAGE <sup>MIN.</sup> | -3                             | -3                  | VOLTS  |
| SUPPRESSOR GRID                      | CONNECTED TO CATHODE AT SOCKET |                     |        |
| PLATE CURRENT                        | 3.7                            | 8.5                 | MA.    |
| SCREEN CURRENT                       | 0.9                            | 2.0                 | MA.    |
| PLATE RESISTANCE <sup>APPROX.</sup>  | 1.0                            | 1.0                 | MEGOHM |
| TRANSCONDUCTANCE                     | 1250                           | 1750                | μMHOS  |
| CONTROL GRID VOLTAGE                 | -25                            | -38.5               | VOLTS  |
| FOR TRANSCONDUCTANCE = 10 μMHOS      |                                |                     |        |

DIRECT INTERELECTRODE CAPACITANCES<sup>A</sup>

|                         |                       |    |
|-------------------------|-----------------------|----|
| CONTROL GRID TO CATHODE | 4.4                   | μf |
| PLATE TO CATHODE        | 8.0                   | μf |
| GRID TO PLATE           | 0.008 <sup>MAX.</sup> | μf |

<sup>A</sup> WITH EXTERNAL SHIELD CONNECTED TO CATHODE

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

PLATE  
877-3

