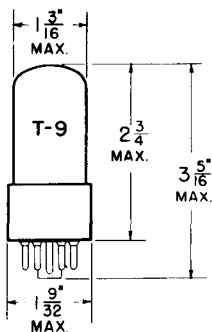


## TUNG-SOL

## DOUBLE TRIODE



GLASS BULB

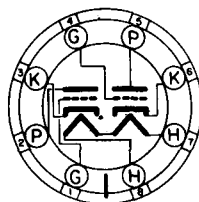
COATED UNIPOTENTIAL CATHODE

HEATER

6.3 VOLTS 0.30 AMP.

AC OR DC

ANY MOUNTING POSITION


 BOTTOM VIEW  
 INTERMEDIATE SHELL  
 8 PIN OCTAL

880

THE 6SL7GT COMBINES TWO INDEPENDENT HIGH-MU TRIODES IN ONE ENVELOPE. IT IS DESIGNED PRIMARILY FOR PHASE INVERTER SERVICE.

## RATINGS

INTERPRETED ACCORDING TO DESIGN CENTER SYSTEM

|                                       |     |       |
|---------------------------------------|-----|-------|
| HEATER VOLTAGE                        | 6.3 | VOLTS |
| MAXIMUM HEATER-CATHODE VOLTAGE        | 90  | VOLTS |
| MAXIMUM PLATE VOLTAGE                 | 300 | VOLTS |
| MAXIMUM POSITIVE DC GRID #1 VOLTAGE   | 0   | VOLTS |
| MAXIMUM PLATE DISSIPATION (EACH UNIT) | 1   | WATT  |

## TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

CLASS A<sub>1</sub> AMPLIFIER — EACH TRIODE UNIT

|                      |        |       |
|----------------------|--------|-------|
| HEATER VOLTAGE       | 6.3    | VOLTS |
| HEATER CURRENT       | 0.30   | AMP.  |
| PLATE VOLTAGE        | 250    | VOLTS |
| GRID VOLTAGE         | -2     | VOLTS |
| PLATE CURRENT        | 2.3    | MA.   |
| PLATE RESISTANCE     | 44 000 | OHMS  |
| TRANSCONDUCTANCE     | 1 600  | μMHOS |
| AMPLIFICATION FACTOR | 70     |       |

**SIMILAR TYPE REFERENCE:** Same characteristics as type 7F7. Except for heater ratings, same characteristics as types 12SL7GT and 14F7.

TUNG-SOL

CONTINUED FROM PRECEDING PAGE

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS - CONT'D.

RESISTANCE COUPLED AMPLIFIER - EACH TRIODE UNIT\*

|                                  |         |         |         |
|----------------------------------|---------|---------|---------|
| HEATER VOLTAGE                   | 6.3     | 6.3     | VOLTS   |
| HEATER CURRENT                   | 0.30    | 0.30    | AMP.    |
| PLATE SUPPLY VOLTAGE             | 90      | 250     | VOLTS   |
| CONTROL GRID VOLTAGE             | 0       | 0       | VOLTS   |
| PLATE LOAD RESISTOR              | 200 000 | 470 000 | OHMS    |
| CONTROL GRID RESISTOR            | 10.0    | 10.0    | MEGOHMS |
| INPUT CONDENSER                  | 0.01    | 0.01    | $\mu f$ |
| OUTPUT CONDENSER                 | 0.01    | 0.01    | $\mu f$ |
| GRID RESISTOR OF FOLLOWING STAGE | 47Q 000 | 47Q 000 | OHMS    |
| SIGNAL SOURCE IMPEDANCE (MAX.)   | 1 000   | 1 000   | OHMS    |
| DISTORTION                       | 5       | 5       | PERCENT |
| OUTPUT VOLTAGE                   | 8.0     | 37      | VOLTS   |
| VOLTAGE GAIN AT 400 CPS.         | 34      | 45      |         |

\*INDICATES AN ADDITION.

