THE 6SL7WGT CONTAINS TWO INDEPENDENT HIGH MU TRIODES IN A T-9 ENVELOPE. IT IS DESIGNED PRIMARILY FOR USE AS RESISTANCE COUPLED AMPLIFIERS. THE TUBE IS INTENDED FOR APPLICATIONS WHERE SEVERE CONDITIONS OF VIBRATION AND MECHANICAL SHOCK ARE ENCOUNTERED.

**HEATER CHARACTERISTICS AND RATINGS**

**ABSOLUTE MAXIMUM VALUES - SEE EIA STANDARD RS-239**

- **AVERAGE CHARACTERISTICS**: 6.3 VOLTS
- **LIMITS OF APPLIED VOLTAGE**: 6.3±0.6 VOLTS
- **MAXIMUM HEATER-CATHODE VOLTAGE**: ±100 VOLTS

**MAXIMUM RATINGS**

**ABSOLUTE MAXIMUM VALUES - SEE EIA STANDARD RS-239**

- **PLATE VOLTAGE, DC**: 275 VOLTS
- **PLATE DISSIPATION, EACH SECTION**: 1.1 WATTS

**ADDITIONAL TESTS AND RATINGS**

- IMPACT ACCELERATION TEST
- VIBRATIONAL ACCELERATION TEST
- ALTITUDE RATING: 10,000 FEET

*LIMITATIONS BEYOND WHICH NORMAL TUBE PERFORMANCE AND TUBE LIFE MAY BE IMPAIRED.*

CONTINUED ON FOLLOWING PAGE
CLASS A RESISTANCE-COUPLED AMPLIFIER

<table>
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<th>Rp (Meg.)</th>
<th>Rs (Meg.)</th>
<th>Rp (Meg.)</th>
<th>Ebb = 90 Volts</th>
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NOTES:
1. Eo = Maximum RMS voltage output for five percent (5%) harmonic distortion.
2. Gain measured at 2.0 Volts RMS output.
3. For zero-bias data, generator impedance is negligible.

Note: Coupling capacitors (C) should be selected to give desired frequency response. Rp should be adequately bypassed.
$E_f = 6.3$ Volts

$E_b = 250$ Volts

- $I_b$
- $r_p$
- $\mu$

Plate Resistance ($r_p$) - Kilohms

Amplification Factor ($\mu$)