TUNG-SOL

HIGH-MU TRIODE AMPLIFIER
UNI-POTENTIAL CATHODE
HEATER
6.3 VOLTS 0.3 AMPERE
AC OR DC

METAL SHELL SMALL WAFFER
5 PIN OCTAL BASE
6F5

GLASS BULB INTERMEDIATE
5 PIN OCTAL BASE
6F5GT

5M-0-1
6F5

GLASS BULB SMALL 5 PIN
OCTAL BASE
6F5G

5M-0-0
6F5G, 6F5GT

THE TUNG-SOL 6F5, 6F5G, AND 6F5GT ARE GENERAL PURPOSE HIGH-MU TRIODES.
THEY ARE DESIGNED FOR SERVICE AS HIGH GAIN RESISTANCE COUPLED AMPLIFIERS
IN AC AND AC-DC OPERATED RECEIVERS.

RATINGS

HEATER VOLTAGE (AC OR DC)
6.3 VOLTS
HEATER CURRENT
0.3 AMPERE
MAXIMUM PLATE VOLTAGE
300 VOLTS

AVERAGE CHARACTERISTICS

PLATE VOLTAGE
100 250 VOLTS
CONTROL GRID VOLTAGE
-1 -2 VOLTS
PLATE CURRENT
0.4 0.9 MA.
PLATE RESISTANCE
85000 66000 OHMS
TRANSCONDUCTANCE
1150 1500 µMhos
AMPLIFICATION FACTOR
100 100

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

CONTINUED NEXT PAGE
TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

ZERO BIAS, RESISTANCE COUPLED, CLASS A\textsubscript{1} AMPLIFIER

<table>
<thead>
<tr>
<th></th>
<th>100</th>
<th>300</th>
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<tbody>
<tr>
<td>PLATE SUPPLY VOLTAGE</td>
<td>100</td>
<td>300</td>
</tr>
<tr>
<td>PLATE LOAD RESISTOR</td>
<td>0.25</td>
<td>0.25</td>
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<tr>
<td>GRID RESISTOR</td>
<td>10</td>
<td>10</td>
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<tr>
<td>COUPLING CAPACITOR</td>
<td>.01 to .005</td>
<td>.01 to .005</td>
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<tr>
<td>GRID RESISTOR FOR FOLLOWING TUBE</td>
<td>.5 to 1.0</td>
<td>.5 to 1.0</td>
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<tr>
<td>EXTERNAL GRID CIRCUIT IMPEDANCE</td>
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<tr>
<td>VOLTAGE GAIN</td>
<td>48</td>
<td>52</td>
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<tr>
<td>VOLTAGE OUTPUT (RMS)\textsuperscript{A}</td>
<td>7.0</td>
<td>8.5</td>
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\textsuperscript{A} AT FIVE PER CENT TOTAL HARMONIC DISTORTION.

![Graph showing plate current vs plate voltage for 6F5, 6F5G, 6F5GT tubes.](image)

\textbf{6F5, 6F5G, 6F5GT}

\[E_f = 6.3 \text{ V.}\]