TUNG-SOL

DOUBLE TRIODE
MINIATURE TYPE

HEATER
6.3 VOLTS 0.34 AMP.
ANY MOUNTING POSITION

THE TRIODE ON PINS 6, 7, 8 & 9 SHOULD HAVE GROUNDED CATHODE CONNECTION, AND THAT ON PINS 1, 2, & 3 SHOULD HAVE GROUNDED GRID CONNECTION. IT IS RECOMMENDED THAT PINS 7 & 8 BE STRAPPED.

The 6FC7 is a frame grid double triode in the 9 pin miniature construction. It is intended for use as a cascode amplifier at frequencies up to 220 megacycles per second. Except for heater ratings, the 6FC7 is identical to the 7FC7.

DIRECT INTERELECTRODE CAPACITANCES
WITH EXTERNAL SHIELD

PLATE #1 TO PLATE #2 (MAX.) 0.015 μμf
GRID #1 TO PLATE #2 (MAX.) 0.005 μμf

GROUNDED CATHODE SECTION:
PLATE TO GRID 1.9 μμf
INPUT 3.8 μμf
OUTPUT 2.5 μμf
GRID TO HEATER (MAX.) 0.3 μμf

GROUNDED GRID SECTION:
PLATE TO GRID 4.1 μμf
PLATE TO CATHODE 0.2 μμf
INPUT 6.3 μμf
OUTPUT 4.5 μμf
CATHODE TO HEATER 2.9 μμf

RATINGS
INTERPRETED ACCORDING TO DESIGN CENTER SYSTEM
EACH SECTION

HEATER VOLTAGE 6.3 VOLTS
MAXIMUM PLATE VOLTAGE 130 VOLTS
MAXIMUM PLATE DISSIPATION 1.8 WATTS
MAXIMUM CATHODE CURRENT 22 MA.
MAXIMUM NEGATIVE GRID VOLTAGE 50 VOLTS
MAXIMUM GRID CIRCUIT RESISTANCE (GROUNDED CATHODE SECT.) 1.0 MEGOHMS
MAXIMUM GRID CIRCUIT RESISTANCE (GROUNDED GRID SECT.) 500 KOHMS
MAXIMUM HEATER TO CATHODE VOLTAGE (RMS) 50 VOLTS
MAXIMUM HEATER TO CATHODE VOLTAGE (HEATER NEGATIVE)A 180 VOLTS

A Maximum DC component 130 V.

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<table>
<thead>
<tr>
<th>CHARACTERISTIC</th>
<th>VALUE</th>
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<tbody>
<tr>
<td>HEATER VOLTAGE</td>
<td>6.3 Volts</td>
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<tr>
<td>HEATER CURRENT</td>
<td>0.34 AMP.</td>
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<tr>
<td>PLATE VOLTAGE</td>
<td>90 Volts</td>
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<tr>
<td>PLATE CURRENT</td>
<td>75 MA.</td>
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<tr>
<td>GRID VOLTAGE</td>
<td>-1.2 Volts</td>
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<tr>
<td>MUTUAL CONDUCTANCE</td>
<td>12 000 uMhos</td>
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<tr>
<td>NOISE FACTOR (IN CASCODE CIRCUIT)</td>
<td>5.5 dB</td>
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