THE 19J6 IS A TWIN TRIODE HAVING TWO PLATES AND TWO GRIDS WITH A COMMON CATHODE, USING THE MINIATURE CONSTRUCTION. IT MAY BE OPERATED IN PARALLEL OR PUSH-PULL. WITH THE GRIDS IN A PUSH-PULL ARRANGEMENT AND THE PLATES IN PARALLEL, THE 19J6 IS PARTICULARLY APPLICABLE AS A MIXER AT FREQUENCIES AS HIGH AS 600 MEGACYCLES. IT IS ALSO USEFUL AS AN OSCILLATOR.

DIRECT INTERELECTRODE CAPACITANCES - APPROX.
WITH NO EXTERNAL SHIELD
EACH UNIT
GRID TO PLATE: (G TO P) 1.5 µµf
GRID TO CATHODE: (G TO K) 2 µµf
PLATE TO CATHODE: (P TO K) 0.4 µµf

RATINGS
INTERPRETED ACCORDING TO RCA STANDARD MB-210
HEATER VOLTAGE 18.9 VOLTS
MAXIMUM HEATER-CATHODE VOLTAGE 90 VOLTS
MAXIMUM PLATE VOLTAGE 300 VOLTS
MAXIMUM PLATE DISSIPATION 1.5 WATTS
MAXIMUM GRID CIRCUIT RESISTANCE (SELF BIAS) 0.5 MEGOHM

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS
CLASS A1 AMPLIFIER - EACH UNIT
HEATER VOLTAGE 18.9 VOLTS
HEATER CURRENT 150 MA.
PLATE VOLTAGE 100 VOLTS
CATHODE BIAS RESISTOR^ 50 B OHMS
PLATE CURRENT 8.5 MA.
PLATE RESISTANCE 7 100 OHMS
TRANSCONDUCTANCE 5 300 MMHO
AMPLIFICATION FACTOR 38

^FIXED BIAS OPERATION NOT RECOMMENDED.
B
VALUE IS FOR BOTH UNITS OPERATING AT THE SPECIFIED CONDITIONS.
CONTINUED ON FOLLOWING PAGE
<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
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<tbody>
<tr>
<td>HEATER VOLTAGE</td>
<td>18.9 V</td>
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<tr>
<td>HEATER CURRENT</td>
<td>150 MA</td>
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<tr>
<td>PLATE VOLTAGE</td>
<td>150 V</td>
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<tr>
<td>CATHODE-BIAS RESISTOR(^A)</td>
<td>810(^B) OHMS</td>
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<td>OSCILLATOR PEAK VOLTAGE</td>
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<td>PLATE RESISTANCE</td>
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<td>CONVERSION TRANSCONDUCTANCE</td>
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<td>SHORT-CIRCUIT INPUT CONDUCTANCE AT 100 MC</td>
<td>96 (\mu)MOS</td>
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<tr>
<td>PLATE CURRENT</td>
<td>4.8 MA</td>
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</tbody>
</table>

\(^A\) Fixed bias operation not recommended.

\(^B\) Value is for both units operating at the specified conditions.