**HIGH GAIN LOW NOISE**

IN

LOW-FREQUENCY VOLTAGE-AMPLIFIER APPLICATIONS

IF YOU DESIGN . . .

- condenser-microphone preamplifiers
- piezoelectric-pickup preamplifiers
- ceramic-pickup preamplifiers
- amplifiers for extremely small signal voltages at dc through ultrasonic frequencies

YOU ARE SURE TO APPRECIATE THESE FEATURES OF THE NEW RCA-8628 HIGH-MU NUVISTOR TRIODE:

- high input leakage resistance
- low total grid current
- high amplification factor (μ)
- broad envelope-temperature (Tₑ) range
- excellent stability over full Tₑ range
- high reliability over long life
- MTBF = 1,540,000 hours

The RCA-8628 is the latest addition to the growing line of nuvistors for industrial and military applications. It gives the circuit designer another opportunity to obtain high performance in sophisticated applications at very reasonable costs.

For more information on the RCA-8628 and/or the full line of RCA nuvistors, call your nearest RCA District Office or write to RCA Commercial Engineering, Dept. N-17, Harrison, New Jersey 07029.

**TYPICAL OPERATION**

In a high-input-impedance, cathode-follower circuit

- Heater Power at Eₑ = 6.3 V
- Plate Supply Voltage
- Cathode Bias Resistor (Bypassed)
- Cathode Load Resistor
- Grid Resistor
- Input Resistance (Approx.)
- Output Resistance (Approx.)
- Average Grid Current
- Average Plate Current

RCA ELECTRONIC COMPONENTS AND DEVICES, HARRISON, N. J.

RCA DISTRICT OFFICES

<table>
<thead>
<tr>
<th>OEM SALES</th>
<th>MID-ATLANTIC</th>
<th>MID-CENTRAL</th>
<th>CENTRAL</th>
<th>WEST</th>
</tr>
</thead>
<tbody>
<tr>
<td>EAST</td>
<td>MID-ATLANTIC</td>
<td>MID-CENTRAL</td>
<td>CENTRAL</td>
<td>WEST</td>
</tr>
<tr>
<td>2075 Millburn Avenue</td>
<td>605 Marlton Pike</td>
<td>2511 East 46th Street</td>
<td>446 East Howard Avenue</td>
<td>6363 Sunset Boulevard</td>
</tr>
<tr>
<td>Maplewood, N. J. 07040</td>
<td>Haddonfield, N. J. 08034</td>
<td>Indianapolis, Ind. 46205</td>
<td>Des Plaines, Ill. 60018</td>
<td>Hollywood, Cal. 90028</td>
</tr>
<tr>
<td>(201) 485-3900</td>
<td>(609) 428-4802</td>
<td>(317) 546-4001</td>
<td>(312) 827-0033</td>
<td>(213) 461-9171</td>
</tr>
</tbody>
</table>


INTERNATIONAL OPERATIONS RCA International Division: Central and Terminal Avenues, Clark, N. J. 07066, (201) 382-1000; 118 Rue du Rhone, Geneva, Switzerland, 35 75 00

Printed in U.S.A.