



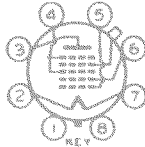
IC7-G  
ID5-GP

## IC7-G PENTAGRID CONVERTER

|                                                                 |        |                |
|-----------------------------------------------------------------|--------|----------------|
| Filament                                                        | Coated |                |
| Voltage                                                         | 2.0    | d-c volts      |
| Current                                                         | 0.120  | amp.           |
| Direct Interelectrode Capacitances: $\phi$                      |        |                |
| Grid #4 to Plate                                                | 0.26   | $\mu\text{pf}$ |
| Grid #4 to Grid #2                                              | 0.32   | $\mu\text{pf}$ |
| Grid #4 to Grid #1                                              | 0.11   | $\mu\text{pf}$ |
| Grid #1 to Grid #2                                              | 1.2    | $\mu\text{pf}$ |
| Grid #4 to All Other Electrodes (R-F Input)                     | 10     | $\mu\text{pf}$ |
| Grid #2 to All Other Electrodes<br>Except Grid #1 (Osc. Output) | 5.5    | $\mu\text{pf}$ |
| Grid #1 to All Other Electrodes<br>Except Grid #2 (Osc. Input)  | 4.8    | $\mu\text{pf}$ |
| Plate to All Other Electrodes (Mixer Output)                    | 14     | $\mu\text{pf}$ |

|                  |                      |
|------------------|----------------------|
| Overall Length   | 4-7/32" to 4-15/32"  |
| Seated Height    | 3-21/32" to 3-29/32" |
| Maximum Diameter | 1-9/16"              |
| Bulb             | ST-12                |

|                     |                         |
|---------------------|-------------------------|
| Cap                 | Skirted Miniature       |
| Base                | Small Shell Octal 8-Pin |
| Pin 1—No Connection | Pin 6—Grid #2           |
| Pin 2—Filament +    | Pin 7—Filament -        |
| Pin 3—Plate         | Pin 8—No Connection     |
| Pin 4—Grids #3 & #5 | Cap —Grid #4            |
| Pin 5—Grid #1       |                         |



Mounting Position BOTTOM VIEW (G-7Z) Vertical, Base Down  $\phi$

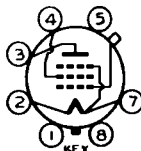
- $\phi$  Horizontal operation permitted if pins 2 and 7 are in vertical plane.
- $\phi$  With close-fitting shield connected to negative filament terminal.
- $\leftarrow$  Indicates a change.

Maximum Ratings, Typical Operating Conditions and Curves for Type IC7-G are the same as for Type 1C6.

## ID5-GP

### SUPER-CONTROL R-F AMPLIFIER PENTODE

|                     |                            |           |
|---------------------|----------------------------|-----------|
| Filament            | Coated                     |           |
| Voltage             | 2.0                        | d-c volts |
| Current             | 0.060                      | amp.      |
| Overall Length      | 4-7/32" to 4-15/32"        |           |
| Seated Height       | 3-21/32" to 3-29/32"       |           |
| Maximum Diameter    | 1-9/16"                    |           |
| Bulb                | ST-12                      |           |
| Cap                 | Skirted Miniature          |           |
| Base                | Small Shell Octal 7-Pin    |           |
| Pin 1—No Connection | Pin 5—No Connection        |           |
| Pin 2—Filament +    | Pin 7—Filament -           |           |
| Pin 3—Plate         | Pin 8—No Connection        |           |
| Pin 4—Screen        | Cap —Grid                  |           |
| Mounting Position   | Vertical, Base Down $\phi$ |           |



BOTTOM VIEW (G-5Y)

- $\phi$  Horizontal operation permitted if pins 2 and 7 are in vertical plane.
- $\leftarrow$  Indicates a change.

Operating Conditions and Curves for Type ID5-GP are the same as for Type 1A4-P.

May 1, 1941

RCA RADIOTRON DIVISION  
RCA MANUFACTURING COMPANY, INC.

DATA