



## ELECTRONIC TUBE REFERENCE

## 5KZ8

Power - Beam (NOT sweep) electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

BEAMPOWER-TRIODE

Combination triode and beam-power section designed as an oscillator and mixer in VHF color and black-and-white television receivers.

## GENERAL CHARACTERISTICS

|                     |                   |                      |               |
|---------------------|-------------------|----------------------|---------------|
| BASE DESIGNATION    | —                 | BASE PINS            | 9             |
| NOMINAL HEATER      | 5 V / 600 mA      | PARALLEL HEATER      | — / —         |
| HEATING             | Indirect          | SERIES OPERATION     | Not specified |
| CATHODE ARRANGEMENT | Separate cathodes | SECTION CONSTRUCTION | Dissimilar    |

## SECTION RATINGS

|                                                                                                                                                           |               |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| SECTION1 Triode                                                                                                                                           |               |
| PLATE RESISTANCE                                                                                                                                          | 5400 $\Omega$ |
| TRANSCONDUCTANCE                                                                                                                                          | 0.0085 S      |
| AMPLIFICATION FACTOR                                                                                                                                      | 46            |
| MAXIMUM PLATE VOLTAGE                                                                                                                                     | 330 V         |
| MAXIMUM PLATE DISSIPATION                                                                                                                                 | 2.5 W         |
| Heater-variant/reference sheet: complete electrical characteristics explicitly referenced to 6KZ8/9KZ8; values not imported from outside approved source. |               |

| SECTION2 Beam Power                                                                                                                                              |                 |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| PLATE RESISTANCE                                                                                                                                                 | 200000 $\Omega$ |
| TRANSCONDUCTANCE                                                                                                                                                 | 0.0075 S        |
| AMPLIFICATION FACTOR                                                                                                                                             | 46              |
| MAXIMUM PLATE VOLTAGE                                                                                                                                            | 330 V           |
| MAXIMUM SCREEN VOLTAGE                                                                                                                                           | 330 V           |
| MAXIMUM PLATE DISSIPATION                                                                                                                                        | 2.5 W           |
| MAXIMUM SCREEN DISSIPATION                                                                                                                                       | 0.55 W          |
| <i>Heater-variant/reference sheet: complete electrical characteristics explicitly referenced to 6KZ8/9KZ8; values not imported from outside approved source.</i> |                 |

Miniature type used as combined oscillator and mixer in vhf color and black-and-white television receivers. Outlines section, 6B; requires miniature 9-contact socket. Types 5KZ8 and 9KZ8 are identical with type 6KZ8 except for heater ratings. : : 352 RCA Receiving Tube Manual 5KZ8 6KZ8 9KZ8



## SOURCE OPERATING CONDITIONS

# 1950 Sylvania

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1950 SYLVANIA

## Section 1 · Triode

## APPLICATION

| PARAMETER | PUBLISHED VALUE          | CONDITION / NOTE |
|-----------|--------------------------|------------------|
| Service   | VHF oscillator and mixer | —                |



## SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

# 1975 RCA RC30

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1975 RCA RC30

## Section 1 · Triode

## CHARACTERISTIC

| PARAMETER                                             | PUBLISHED VALUE | CONDITION / NOTE                           |
|-------------------------------------------------------|-----------------|--------------------------------------------|
| Plate Dissipation                                     | 12 watts        | Published value from supplied target entry |
| Grid-No                                               | 1.9 watts       | Published value from supplied target entry |
| Heater Voltage (ac/dc)                                | 9.45 volts      | Published value from supplied target entry |
| Heater Current                                        | 0.3 ampere      | Published value from supplied target entry |
| Heater Warm-up Time (Average)                         | 11 seconds      | Published value from supplied target entry |
| Plate Voltage                                         | 330 volts       | Published value from supplied target entry |
| Grid-No                                               | 330 volts       | Published value from supplied target entry |
| Grid-No                                               | 300             | Published value from supplied target entry |
| Grid No.1 (Control-Grid) Voltage, Positive-bias value | 0 volts         | Published value from supplied target entry |
| Plate Dissipation                                     | 2.5 watts       | Published value from supplied target entry |

| PARAMETER                  | PUBLISHED VALUE    | CONDITION / NOTE                           |
|----------------------------|--------------------|--------------------------------------------|
| Grid-No                    | <b>2</b>           | Published value from supplied target entry |
| For grid-No                | <b>0.55 volts</b>  | Published value from supplied target entry |
| For grid-No                | <b>300 volts</b>   | Published value from supplied target entry |
| Plate Voltage              | <b>125 volts</b>   | Published value from supplied target entry |
| Grid-No                    | <b>125</b>         | Published value from supplied target entry |
| Grid-No                    | <b>-1 volt</b>     | Published value from supplied target entry |
| Amplification Factor       | <b>46</b>          | Published value from supplied target entry |
| Plate Resistance (Approx.) | <b>200000 ohms</b> | Published value from supplied target entry |
| Transconductance           | <b>7500</b>        | Published value from supplied target entry |
| Plate Current              | <b>12 mA</b>       | Published value from supplied target entry |
| Grid-No                    | <b>4 mA</b>        | Published value from supplied target entry |

| CAPACITANCE                       |                 |                                            |
|-----------------------------------|-----------------|--------------------------------------------|
| PARAMETER                         | PUBLISHED VALUE | CONDITION / NOTE                           |
| Grid to Plate                     | <b>1.6 pF</b>   | Published value from supplied target entry |
| Plate to Cathode, Heater, Grid No | <b>3</b>        | Published value from supplied target entry |
| Heater to Cathode (Each Unit)     | <b>3.2 pF</b>   | Published value from supplied target entry |

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