

ELECTRONIC TUBE REFERENCE

2GU5

Hexode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

HEXODE

Beam hexode designed for VHF radio-frequency amplifier service, a two-volt-heater version of the 6GU5.

GENERAL CHARACTERISTICS

|                     |                   |                      |               |
|---------------------|-------------------|----------------------|---------------|
| BASE DESIGNATION    | —                 | BASE PINS            | 7             |
| NOMINAL HEATER      | 2.4 V / 600 mA    | PARALLEL HEATER      | — / —         |
| HEATING             | Indirect          | SERIES OPERATION     | Not specified |
| CATHODE ARRANGEMENT | Separate cathodes | SECTION CONSTRUCTION | Similar       |

SECTION RATINGS

|                                                   |          |
|---------------------------------------------------|----------|
| SECTION1 Hexode                                   |          |
| PLATE RESISTANCE                                  | 165000 Ω |
| TRANSCONDUCTANCE                                  | 0.0155 S |
| MAXIMUM PLATE VOLTAGE                             | 300 V    |
| MAXIMUM SCREEN VOLTAGE                            | 150 V    |
| MAXIMUM PLATE DISSIPATION                         | 3 W      |
| MAXIMUM CATHODE CURRENT                           | 20 mA    |
| Electrical characteristics of 6GU5 except heater. |          |

Beam hexode; 2-volt heater version of 6GU5 for VHF RF-amplifier service.

## SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

# 1971 RCA HB3 Binder 4 of 7

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

1971 RCA HB3 BINDER 4 OF 7

## Section 1 · Hexode

| OTHER                       |                 |                  |
|-----------------------------|-----------------|------------------|
| PARAMETER                   | PUBLISHED VALUE | CONDITION / NOTE |
| Heater voltage              | 2.4 V           | —                |
| Heater current              | 600 mA          | —                |
| Heater warm-up time         | 11 s            | —                |
| Peak heater-cathode voltage | 200 V           | BothPolarities   |
| Plate voltage               | 275 V           | ClassA           |
| Grid No.3 voltage           | 135 V           | ClassA           |
| Grid No.1 voltage           | -0.4 V          | ClassA           |
| Plate current               | 10 mA           | ClassA           |
| Grid No.3 current           | 0.17 mA         | ClassA           |

| CHARACTERISTIC   |                 |                  |
|------------------|-----------------|------------------|
| PARAMETER        | PUBLISHED VALUE | CONDITION / NOTE |
| Plate resistance | 165000 ohm      | ClassA           |
| Transconductance | 15500 uS        | ClassA           |

| CAPACITANCE                    |                 |                  |
|--------------------------------|-----------------|------------------|
| PARAMETER                      | PUBLISHED VALUE | CONDITION / NOTE |
| Grid No.1-to-plate capacitance | 0.018 pF        | —                |
| Input capacitance              | 7 pF            | —                |
| Output capacitance             | 3.2 pF          | —                |

| APPLICATION |                              |                  |
|-------------|------------------------------|------------------|
| PARAMETER   | PUBLISHED VALUE              | CONDITION / NOTE |
| Application | VHF beam-hexode RF amplifier | —                |

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