



**3GK5 THROUGH 3HS8**

**DESCRIPTION AND RATING**

**3GK5**

**3GK5 Frame-Grid Triode.** The 3GK5 is a miniature, frame-grid, gain-controlled triode designed for use as a VHF radio-frequency amplifier.

Except for heater characteristics, the 3GK5 is identical to the 6GK5.

**GENERAL**

**ELECTRICAL**

Cathode - Coated Unipotential

Heater Characteristics and Ratings

Heater Voltage, AC or DC# . . . . .	2.8	Volts
Heater Current§ . . . . .	0.45±0.03	Amperes
Heater Warm-up Time, Average¶. . . . .	11	Seconds

**3HA5**

**3HA5 Triode.** The 3HA5 is a miniature triode designed particularly for service in VHF television tuners as a grounded-cathode radio-frequency amplifier.

Except for heater characteristics, the 3HA5 is identical to the 6HA5.

**GENERAL**

**ELECTRICAL**

Cathode - Coated Unipotential

Heater Characteristics and Ratings

Heater Voltage, AC or DC# . . . . .	2.7	Volts
Heater Current§ . . . . .	0.45±0.03	Amperes

**3HM5**

**3HM5 Triode.** The 3HM5 is a miniature triode designed particularly for service in VHF television tuners as a grounded-cathode radio-frequency amplifier.

Except for heater characteristics, the 3HM5 is identical to the 6HM5.

**GENERAL**

**ELECTRICAL**

Cathode - Coated Unipotential

Heater Characteristics and Ratings

Heater Voltage, AC or DC# . . . . .	2.9	Volts
Heater Current§ . . . . .	0.45±0.03	Amperes
Heater Warm-up Time, Average¶. . . . .	11	Seconds

The tubes and arrangements disclosed herein may be covered by patents of General Electric Company or others. Neither the disclosure of any information herein nor the sale of tubes by General Electric Company conveys any license under patent claims covering combinations of tubes with other devices or elements. In the absence of an

express written agreement to the contrary, General Electric Company assumes no liability for patent infringement arising out of any use of the tubes with other devices or elements by any purchaser of tubes or others.

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## 3HS8

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**3HS8 Twin Pentode.** The 3HS8 is a miniature, multisection tube that incorporates separate plates and number-3 grids for the two sections together with a common screen, number-1 grid, and cathode. The tube is intended for use as a combined sync-AGC tube in television receivers.

Except for heater characteristics, the 3HS8 is identical to the 6HS8.

### GENERAL

#### ELECTRICAL

Cathode - Coated Unipotential

#### Heater Characteristics and Ratings

Heater Voltage, AC or DC*	3.15	Volts
Heater Current§	0.6±0.04	Amperes
Heater Warm-up Time, Average¶.	11	Seconds

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### NOTES

- \* Heater voltage for a bogey tube at  $I_f = 0.6$  amperes.
- ‡ Heater voltage for a bogey tube at  $I_f = 0.45$  amperes.
- § The equipment designer should design the equipment so that heater current is centered at the specified bogey value, with heater supply variations restricted to maintain heater current within the specified tolerance.
- ¶ The time required for the voltage across the heater to reach 80 percent of the bogey value after applying 4 times the bogey heater voltage to a circuit consisting of the tube heater in series with a resistance equal to 3 times the bogey heater voltage divided by the bogey heater current.

TUBE DEPARTMENT

**GENERAL**  **ELECTRIC**

Owensboro, Kentucky