



6T7-G

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DUPLEX-DIODE HIGH-MU TRIODE

Heater	Coated Unipotential Cathode	
Voltage	6.3	a-c or d-c volts
Current	0.15	amp.

Direct Interelectrode Capacitances:^o*Triode Unit:*

Grid to Plate	1.7	μf
Grid to Cathode	1.8	μf
Plate to Cathode	3.1	μf

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 - Diode Plate #1

Pin 2 - Heater

Pin 7 - Heater

Pin 3 - Triode Plate

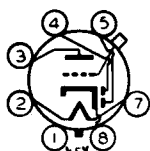
Pin 8 - Cathode

Pin 4 - Diode Plate #2

Cap - Triode Grid

Mounting Position

Any



BOTTOM VIEW (G-7V)

TRIODE UNIT

Plate Voltage	250 max.	volts
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Characteristics - Class A₁ Amplifier:

Plate Voltage	135	250	volts
Grid Voltage	-1.5	-3	volts
Amp. Factor	65	65	
Plate Res.	65000	62000	ohms
Transcond.	1000	1050	μmhos
Plate Cur.	0.9	1.2	ma.

Typical Operation - Resistance-Coupled Amplifier:

See RESISTANCE-COUPLED AMPLIFIER CHART.

DIODE UNITS - Two

Consideration of these units is given under Type 85. Circuits will be similar to those shown for Type 55 with fixed bias. Diode biasing of the triode unit of the 6T7-G is not suitable. Diode curves under Type 6B7 apply to the 6T7-G.

- In circuits where the cathode is not directly connected to the heater, the potential difference between heater and cathode should be kept as low as possible.
- ° With close-fitting shield connected to cathode. Values are approximate.

← Indicates a change.

Dec. 1, 1941

RCA RADOTRON DIVISION
RCA MANUFACTURING COMPANY, INC.

DATA

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AVERAGE PLATE CHARACTERISTICS

