



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:⁰

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 2 - Heater

Pin 3 - Triode Plate

Pin 4 - Diode Plate #2



Pin 5 - Diode Plate #1

Pin 7 - Heater

Pin 8 - Cathode

Cap - Triode Grid

Mounting Position

Any

BOTTOM VIEW (G-7V)

TRIODE UNIT

Plate Voltage 250 max. volts

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.

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RCA RADIONRON DIVISION
 RCA MANUFACTURING COMPANY, INC.

DATA

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AVERAGE PLATE CHARACTERISTICS

