



75



75

DUPLEX-DIODE HIGH-MU TRIODE

Heater ■ Coated Unipotential Cathode
 Voltage 6.3 a-c or d-c volts
 Current 0.3 amp.

Direct Interelectrode Capacitances (approx.):

Triode Unit

Grid to Plate 1.7 μ f
 Grid to Cathode 1.7 μ f
 Plate to Cathode 3.8 μ f

Overall Length 4-9/32" to 4-17/32"

Seated Height 3-21/32" to 3-29/32" ←

Maximum Diameter 1-9/16"

Bulb ST-12

Cap Small Metal

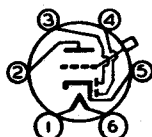
Base Small 6-Pin

Pin 1-Heater

Pin 2-Triode Plate

Pin 3-Diode Plate #2

Pin 4-Diode Plate #1



Pin 5-Cathode

Pin 6-Heater

Cap -Triode Grid

Mounting Position Any

BOTTOM VIEW (6G)

AMPLIFIER

Plate Voltage 250 max. volts

Characteristics and Curves are the same as for Type 6SQ7. For Typical Operating Conditions see RESISTANCE-COUPLED AMPLIFIER CHART. Diode Curves under Type 6B7 also apply to the 75.

■ 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.

← Indicates a change.

Sept. 2, 1941

RCA RADOTRON DIVISION
 RCA MANUFACTURING COMPANY, INC.

DATA

75



75

AVERAGE CHARACTERISTICS
TRIODE UNIT $E_f = 6.3$ VOLTS

PLATE VOLTS = 250

AMPLIF. FACTOR (μ)150
100
50 μ PLATE RESISTANCE (r_p) MEGOHMS0.3
0.2
0.1 r_p TRANSCONDUCTANCE (g_m) MICROMHOS1600
1200
800
400 g_m

0

0.5

1.0

1.5

PLATE MILLIAMPERES

JULY 31, 1941

RCA RADOTRON DIVISION
RCA MANUFACTURING COMPANY, INC.

92C-5284RI