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 µuf
- Grid to Cathode 1.7 µuf
- Plate to Cathode 3.8 µuf

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
Cap - Triode Grid

Mounting Position Bottom View (6G) Any

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 687 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
AVERAGE CHARACTERISTICS
TRIODE UNIT

E_f = 6.3 VOLTS
PLATE VOLTS = 250

AMPLIFIER FACTOR (\mu)

PLATE DISSIPATION (TP) MEGOHMS

150
100
50

0.3
0.2
0.1

PLATE MILLIAMPERES

0
0.5
1.0
1.5

TRANSCONDUCTANCE (g_m) MICROHOMS

1600
1200
800
400

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RCA RADIOTRON DIVISION
RCA MANUFACTURING COMPANY, INC.
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