

Remote-Cutoff Pentode

7-PIN MINIATURE TYPE

GENERAL DATA

Electrical:

Heater, for Unipotential Cathode:

Voltage (AC or DC). 18 volts

Current $0.1 \pm 6\%$ amp

Direct Interelectrode Capacitances:

Grid No.1 to plate. 0.0035 max. $\mu\mu\text{f}$ Grid No.1 to cathode, grid No.3,
grid No.2, and heater 5.5 $\mu\mu\text{f}$ Plate to cathode, grid No.3,
grid No.2, and heater 5 $\mu\mu\text{f}$ Characteristics, Class A₁ Amplifier:

Plate Supply Voltage. 100 volts

Grid No.3 *Connected to cathode at socket*

Grid-No.2 Supply Voltage. 100 volts

Cathode Resistor. 68 ohms

Plate Resistance (Approx.). 0.25 megohm

Transconductance. 4400 μmhos

Plate Current 11 ma

Grid-No.2 Current 4.4 ma

Grid-No.1 Voltage (Approx.)

for transconductance (μmhos) = 25 . . . -20 volts

Mechanical:

Operating Position. Any

Maximum Overall Length. 2-1/8"

Maximum Seated Length 1-7/8"

Length, Base Seat to Bulb Top (Excluding tip) . 1-1/2" $\pm 3/32$ "

Diameter. 0.650" to 0.750"

Dimensional Outline See *General Section*

Bulb. T5-1/2

Base. Small-Button Miniature 7-Pin (JEDEC No.E7-1)

Basing Designation for BOTTOM VIEW. 7CC

Pin 1-Grid No.1

Pin 2-Grid No.3,

Internal

Shield

Pin 3-Heater



Pin 4-Heater

Pin 5-Plate

Pin 6-Grid No.2

Pin 7-Cathode

AMPLIFIER — Class A₁

Maximum Ratings, Design-Maximum Values:

PLATE VOLTAGE 150 max. volts

GRID No.3 (SUPPRESSOR GRID) *Connected to cathode at socket*

GRID-No.2 (SCREEN-GRID) SUPPLY VOLTAGE. . . 150 max. volts

← Indicates a change.



18FW6

GRID-No.2 VOLTAGE*See Grid-No.2 Input Rating Chart
at front of Receiving Tube Section*

GRID-No.2 INPUT:

For grid-No.2 voltages up to 75 volts . . 0.6 max. watt

For grid-No.2 voltages between 75

and 150 volts*See Grid-No.2 Input Rating Chart
at front of Receiving Tube Section*

PLATE DISSIPATION 2.5 max. watts

PEAK HEATER-CATHODE VOLTAGE:

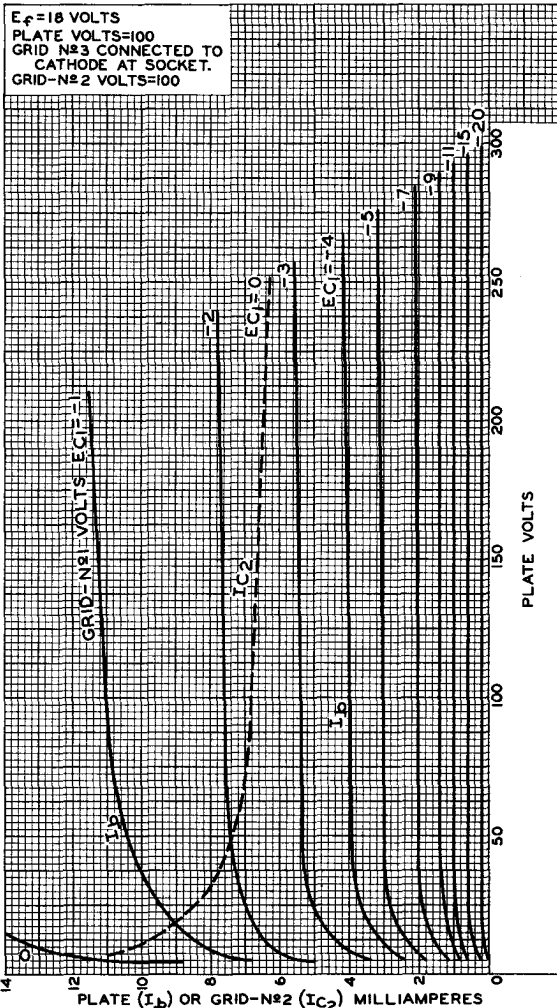
Heater negative with respect to cathode . 100 max. volts

Heater positive with respect to cathode . 100 max. volts

▲ With external shield JEDEC No.316 connected to cathode.



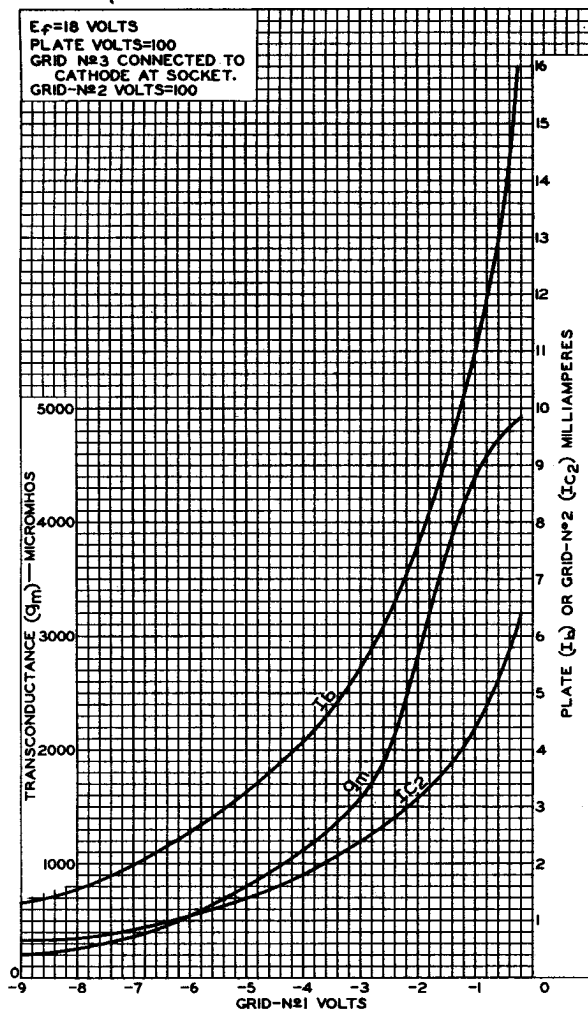
AVERAGE CHARACTERISTICS



92CM-10778



AVERAGE CHARACTERISTICS



92CM-10776