

Semiremote-Cutoff Twin Pentode

DUODECAR TYPE

GENERAL DATA

Electrical:

Heater Characteristics and Ratings (*Design-Maximum Values*):Voltage (AC or DC) 6.3 ± 0.6 volts

Current at heater volts = 6.3 0.800 amp

Peak heater-cathode voltage

(Each unit):

Heater negative with
respect to cathode. 200 max. voltsHeater positive with
respect to cathode. 200^a max. voltsDirect Interelectrode Capacitances:^b

Unit No.1:

Grid No.1 to plate. 0.026 pf

Grid No.1 to cathode, grid No.2,
grid No.3 & internal shield,
and heater. 10 pfPlate to cathode, grid No.2, grid
No.3 & internal shield, and heater 2.8 pf

Unit No.2:

Grid No.1 to plate. 0.026 pf

Grid No.1 to cathode, grid No.2,
grid No.3, grid No.3 of unit No.1
& internal shield, and heater . . 10 pfPlate to cathode, grid No.2,
grid No.3, grid No.3 of unit No.1
& internal shield, and heater. . . 3.0 pfPlate of unit No.1 to plate
of unit No.2. 0.02 max. pfGrid No.1 of unit No.1 to plate of
unit No.2 0.002 max. pfGrid No.1 of unit No.2 to plate
of unit No.1. 0.002 max. pfCharacteristics, Class A₁ Amplifier (Each Unit):

Plate Supply Voltage. 125 volts

Grid No.3 *Connected to cathode at socket*

Grid-No.2 Supply Voltage. 125 volts

Cathode Resistor. 56 ohms

Plate Resistance (Approx.) 0.2 megohm

Transconductance. 10500 μ mhos

Plate Current , 11 ma

Grid-No.2 Current 3.5 ma

Grid-No.1 Voltage (Approx.) for
transconductance (μ mhos) = 50 -15 volts

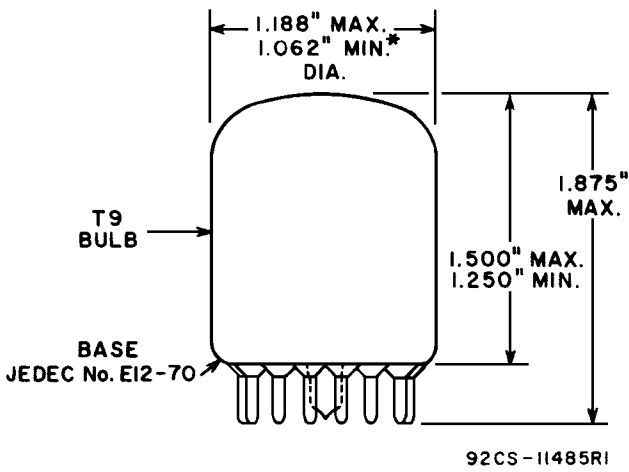
Mechanical:

Operating Position. Any

Type of Cathodes. Coated Unipotential

Maximum Overall Length. 1.875"





* APPLIES TO MINIMUM DIAMETER EXCEPT IN AREA OF SEAL.

