

Half-Wave Vacuum Rectifier

For Television Damper Service

GENERAL DATA

Electrical:

Heater, for Unipotential Cathode:

Voltage (AC or DC) 6.3 $\pm$ 10% volts
Current at 6.3 volts. 1.2 amp

Direct Interelectrode Capacitances (Approx.):^a

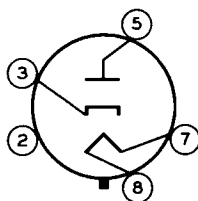
Plate to cathode and heater 8.5 μ f
Cathode to heater and plate 11.5 μ f
Heater to cathode 4 μ f

Mechanical:

Operating Position. Any
Maximum Overall Length. 3-13/16"
Maximum Seated Length 3-1/4"
Maximum Diameter. 1-9/32"
Bulb. T9
Base. Short Intermediate-Shell Octal 5-Pin
with External Barriers, Arrangement 2
(JEDEC Group 1, No.B5-85)

Basing Designation for BOTTOM VIEW. 4CG

Pin 2 - Internal Con-
nection—
Do Not Use^b
Pin 3 - Cathode



Pin 5 - Plate
Pin 7 - Heater
Pin 8 - Heater

DAMPER SERVICE

Maximum Ratings, Design-Maximum Values:

For operation in a 525-line, 30-frame system^c

PEAK INVERSE PLATE VOLTAGE^d. 5000 max. volts
PEAK PLATE CURRENT 1100 max. ma
DC PLATE CURRENT 175 max. ma
PLATE DISSIPATION. 6.5 max. watts
PEAK HEATER-CATHODE VOLTAGE:
Heater negative with respect to cathode^d . 5000^e max. volts
Heater positive with respect to cathode. . 300^f max. volts

^a Without external shield.

^b Socket terminals 1,2,4, and 6 should not be used as tie points.

^c As described in "Standards of Good Engineering Practice Concerning Television Broadcast Stations," Federal Communications Commission.

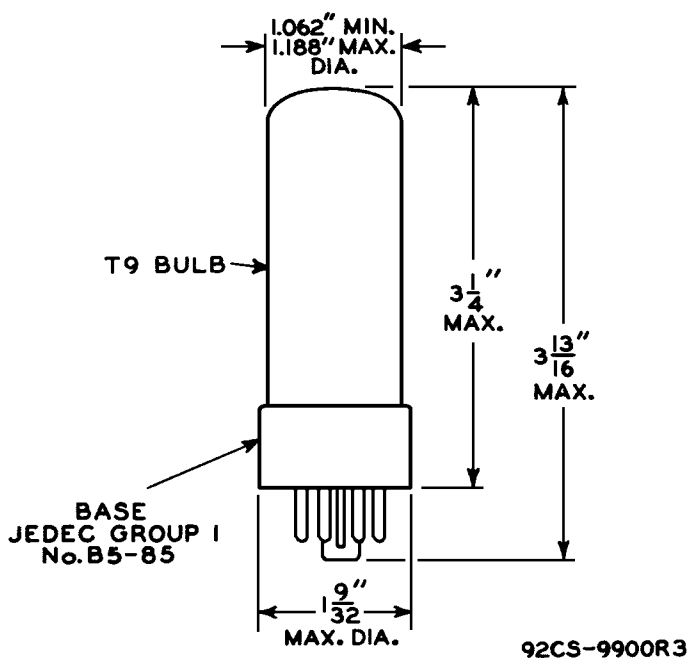
^d This rating is applicable when the duty cycle of the voltage pulse does not exceed 15 per cent of one horizontal scanning cycle. In a 525-line, 30-frame system, 15 per cent of one horizontal scanning cycle is 10 microseconds.

^e The dc component must not exceed 900 volts.

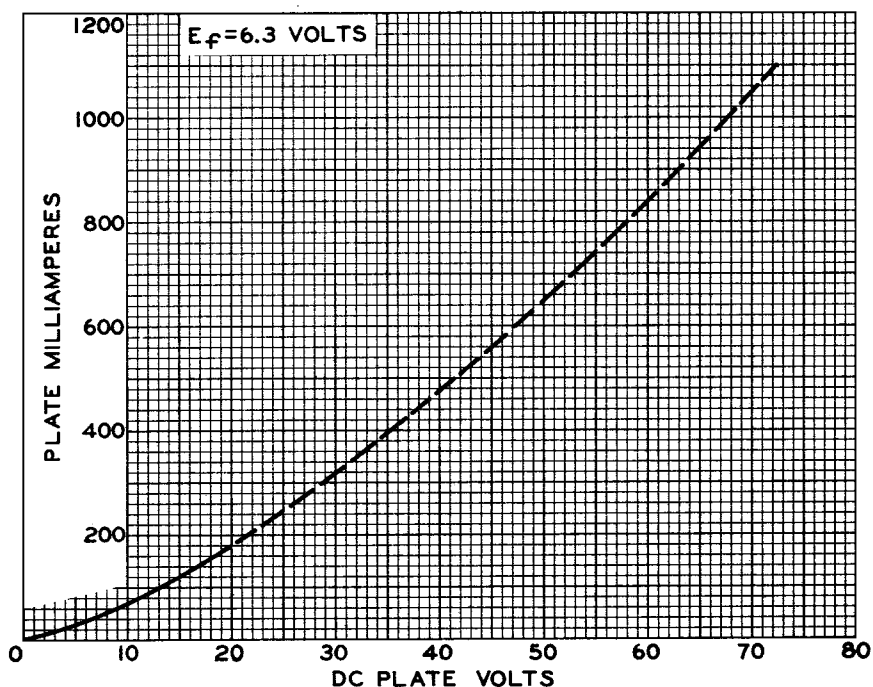
^f The dc component must not exceed 100 volts.



6DM4



AVERAGE PLATE CHARACTERISTIC



92CS-9884