



8014-A

**TRANSMITTING TRIODE****FORCED-AIR COOLED***Intended especially for pulsed operation*

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GENERAL DATA**Electrical:**

Filament, Thoriated Tungsten:

Voltage. . . . . 15.0 . . . . . ac volts

Current. . . . . 14.5 . . . . . amp

Starting Current: The filament current must never exceed, even momentarily, a value of 30 amperes

Peak Filament Emission . . . 50 (approx.) . . . . . amp

Amplification Factor . . . . 30

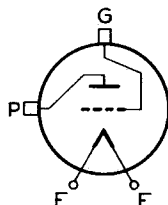
Direct Interelectrode Capacitances (Approx.):

Grid to Plate. . . . . 4.4 . . . . .  $\mu\text{mf}$ Grid to Filament . . . . . 4.6 . . . . .  $\mu\text{mf}$ Plate to Filament. . . . . 3.2 . . . . .  $\mu\text{mf}$ **Mechanical:**

Terminal Connections:

F—Filament

G—Grid Cap Terminal

P—Plate Terminal  
(Air-Cooled Radiator)

Mounting Position. . . Vertical only, Filament or Grid End Up

Overall Length . . . . .  $8-17/32" \pm 3/16"$ Diameter . . . . .  $1-7/8" \pm 1/32"$ 

Radiator . . . . . Integral Part of Tube

Cooling: Air should be delivered in sufficient quantity to the radiator to limit the temperature of the radiator to the rated maximum value. In addition, a small amount of cooling air is required on the filament. Air-flow must start before the application of any voltages.

**Maximum Ratings, Absolute Values:**

DC PLATE VOLTAGE#. . . . . 13500 max. volts

DC GRID VOLTAGE. . . . . -3000 max. volts

PLATE DISSIPATION. . . . . 400 max. watts

RADIATOR TEMPERATURE▲ . . . . . 180 max. °C

\* The maximum value of filter capacitor permitted directly at the tube and its rf circuit is  $1.0 \mu\text{f}$ . A series resistance of at least 15000 ohms must be used between this capacitor and the high-voltage supply.

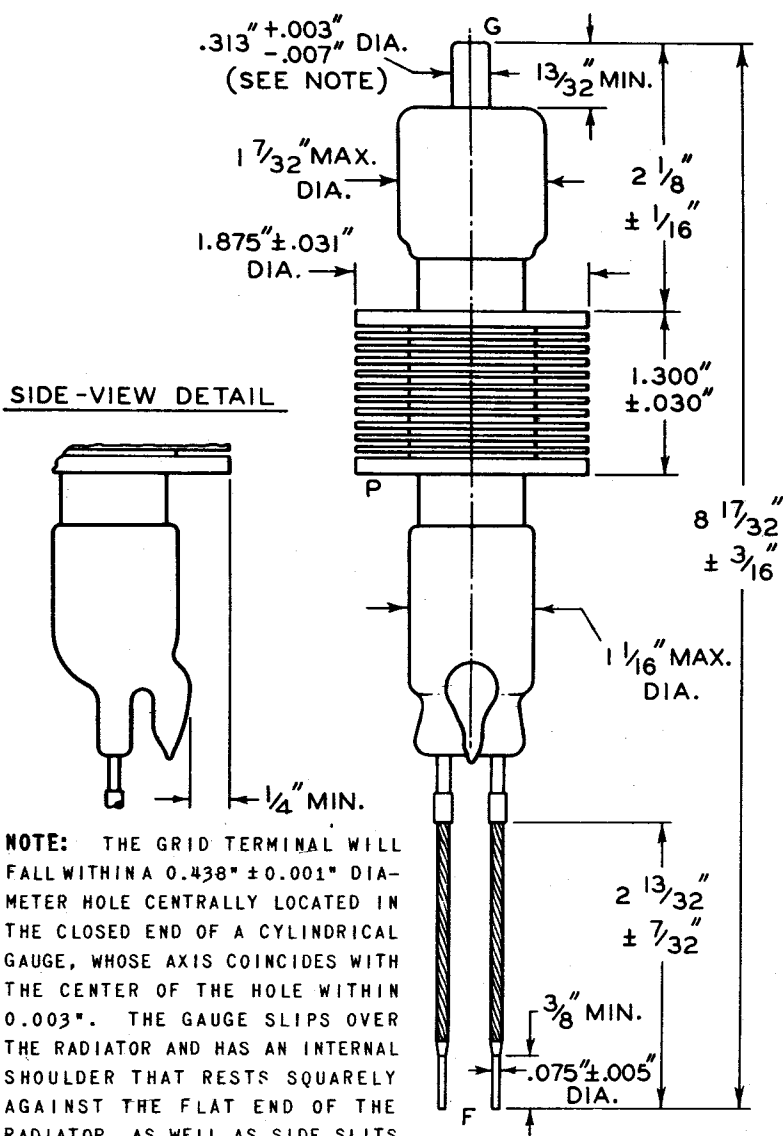
▲ Measured outside of air blast on outer fin of radiator near plate.

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## TRANSMITTING TRIODE



**NOTE:** THE GRID TERMINAL WILL FALL WITHIN A  $0.438" \pm 0.001"$  DIAMETER HOLE CENTRALLY LOCATED IN THE CLOSED END OF A CYLINDRICAL GAUGE, WHOSE AXIS COINCIDES WITH THE CENTER OF THE HOLE WITHIN  $0.003"$ . THE GAUGE SLIPS OVER THE RADIATOR AND HAS AN INTERNAL SHOULDER THAT RESTS SQUARELY AGAINST THE FLAT END OF THE RADIATOR, AS WELL AS SIDE SLITS EXTENDING APPROXIMATELY  $\frac{1}{2}"$  ABOVE THE INTERNAL SHOULDER TO INSURE SPRING FIT OVER THE RADIATOR. THE INNER SURFACE OF THE CLOSED END OF THE GAUGE IS  $1.812" + 0.010" - 0.000"$  FROM THE SHOULDER SURFACE WHICH RESTS AGAINST THE FLAT END OF THE RADIATOR. THE CLOSED END OF THE GAUGE IS  $0.438" \pm 0.010"$  THICK.

92CM-6363R1