



8014-A

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TRANSMITTING TRIODE

FORCED-AIR COOLED

Intended especially for pulsed operation

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

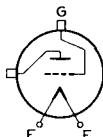
Direct Interelectrode Capacitances (Approx.):

Grid to Plate. 4.4 μf Grid to Filament 4.6 μf Plate to Filament. 3.2 μf **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 μf . A series resistance of at least 15000
ohms must be used between this capacitor and the high-voltage supply.

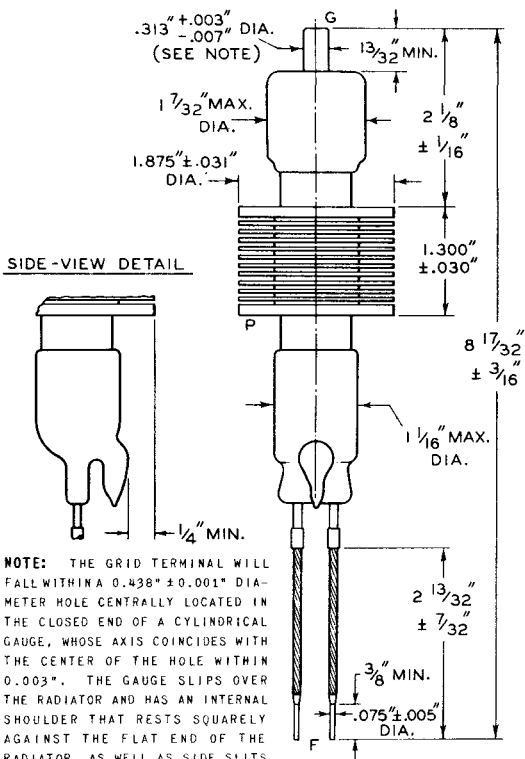
▲ Measured outside of air blast on outer fin of radiator near plate.

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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