



1949

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VACUUM-GAUGE TUBE

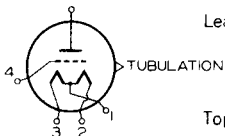
HARD-GLASS BULB, IONIZATION TYPE

DATA

General:

Filament, Tungsten:*
 Voltage (Approx.) 5 ac or dc volts
 Current (Approx.) 3.5 amp
 Maximum Tube Length (including tubulation) 11-1/2"
 Maximum Tube Radius 2-3/16"
 Maximum Bulb Length 5-1/8"
 Maximum Bulb Diameter 2-1/16"
 Bulb T-16
 Tubulation 1/2" Diameter Hard Glass,
 Corning Code 772 Nonex
 Operating Position Vertical with tubulation up or
 down; Horizontal, with stem
 press in vertical plane
 Terminal Arrangement See Outline Drawing
 Terminal Lead Connections:

Lead 1 - Common
 Lead to
 Filaments
 Lead 2 - Filament
 Lead 3 - Filament
 (Spare)



Lead 4 - Grid
 Top Lead - Plate

Maximum Ratings, Absolute Values:

PLATE VOLTAGE -100 max. . . volts
 GRID VOLTAGE +200 max. . . volts
 AMBIENT TEMPERATURE 100 max. . . °C
 GAS PRESSURE 0.001 max. mm of Hg.

Typical Operation:

Plate Voltage	-22.5	-22.5	-22.5 volts
Grid Voltage	+80	+110	+160 volts
Grid Current	10	10	10 ma.
Sensitivity	80	110	140 μamp/micron▲

Calibration:

See curve on following sheet.

* The 1949 contains two filaments, one of which is a spare. Values shown are for either filament operated alone.

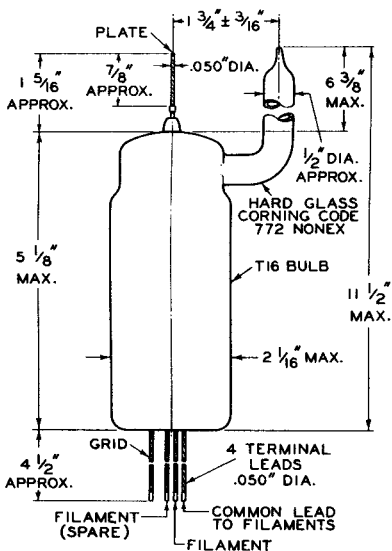
▲ 1 micron = 0.001 mm of mercury.

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92CS-6817

JUNE 20, 1947

 TUBE DEPARTMENT
 RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

CE-6817



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CALIBRATION CURVES

