



1949

VACUUM-GAUGE TUBE

HARD-GLASS BULB, IONIZATION TYPE

1949

DATA

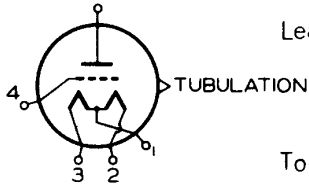
General:

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:

FILAMENT VOLTAGE	6.5 max.	volts
DC PLATE VOLTAGE DURING OPERATION	-100 max.	volts
DC GRID VOLTAGE DURING OPERATION	+200 max.	volts
VOLTAGE ON GRID & PLATE TIED TOGETHER DURING DEGASSING (DC OR PEAK AC)	650 max.	volts
GRID & PLATE DISSIPATION (TOTAL) DURING DEGASSING	150 max.	watts
AMBIENT TEMPERATURE DURING OPERATION	100 max.	°C
GAS PRESSURE	0.001 max.	mm of Hg

Typical Degassing Conditions:

Grid Connected to Plate

Filament Voltage (AC or DC)	6	6	volts
Grid & Plate Voltage	350 rms	500 dc	volts
Grid & Plate Current (Average)	100	150	ma

Typical Operation:

DC Plate Voltage	-22.5	-22.5	-22.5	volts
------------------	-------	-------	-------	-------

* The 1949 contains two filaments, one of which is a spare. Values shown are for either filament operated alone. The filament voltage should be kept as low as possible during degassing because use of a low filament voltage materially increases filament life.

← Indicates a change

MARCH 1, 1954

TUBE DEPARTMENT
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

DATA

1949



1949

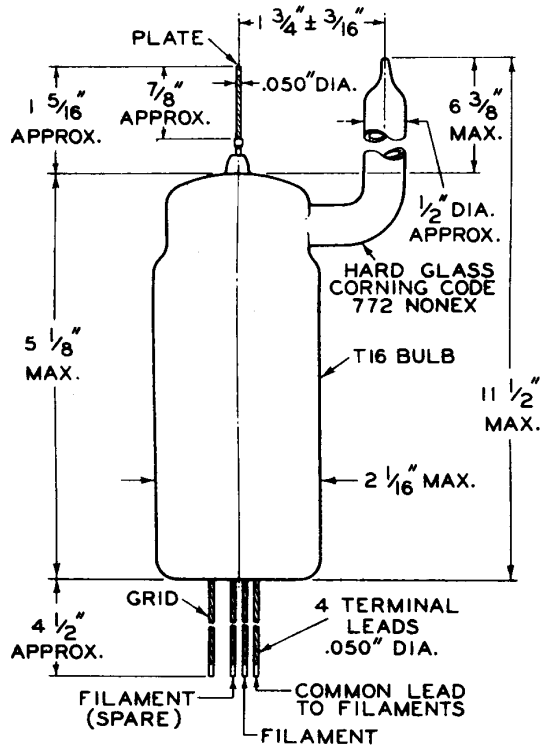
VACUUM-GAUGE TUBE

DC Grid Voltage	+80	+110	+160	volts
Grid Current	10	10	10	ma
Sensitivity	80	110	140	$\mu\text{a}/\text{micron}^\Delta$

Calibration:

See curve on following sheet.

$^\Delta$ 1 micron = 0.001 mm of mercury.



92CS-6817

MARCH 1, 1954

TUBE DEPARTMENT
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

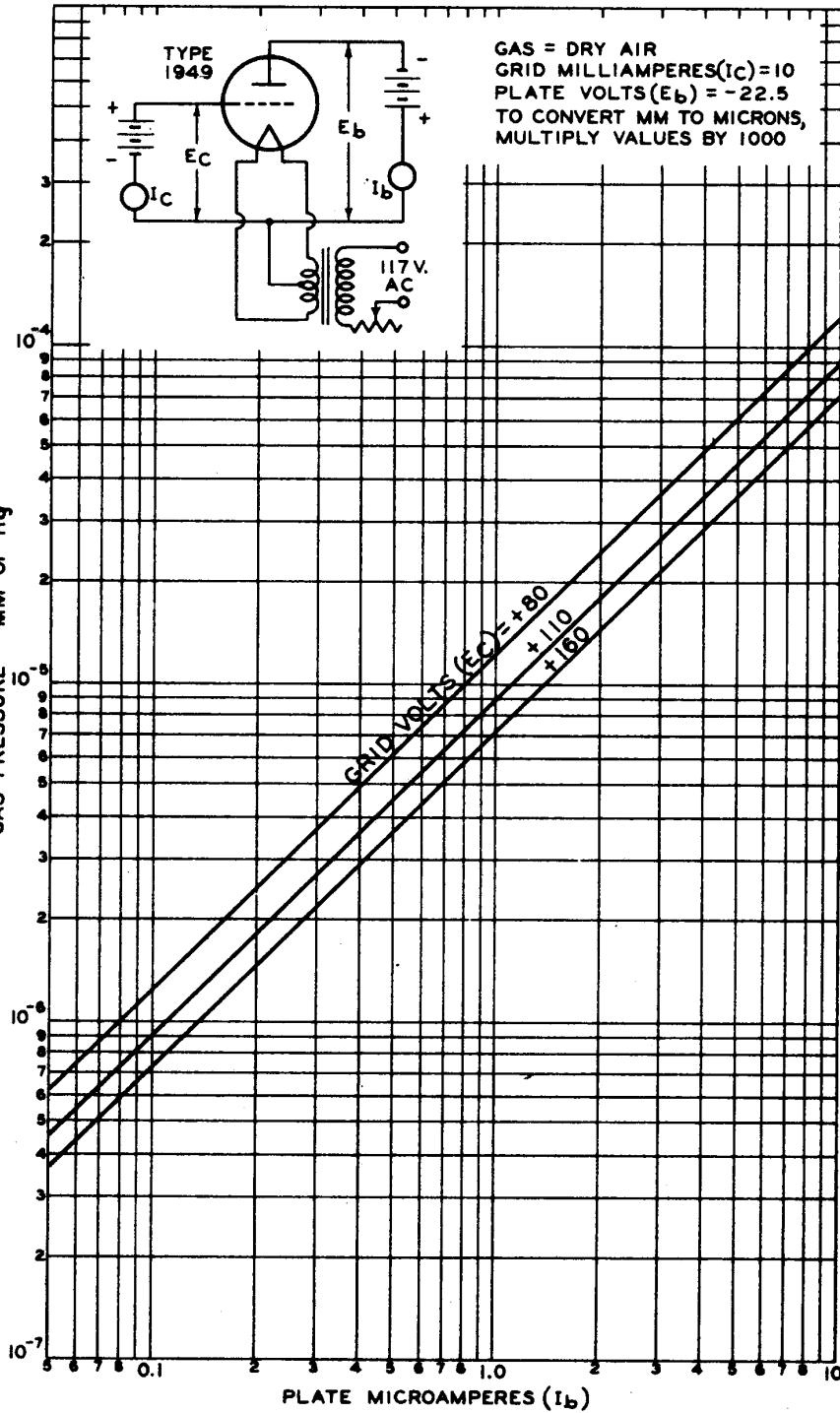
DATA



1949

1949

CALIBRATION CURVES



MAR. 11, 1947

TUBE DEPARTMENT
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

92CM-6851