

# RADIO MANUFACTURERS ASSOCIATION



SUITE 701-4 AMERICAN BUILDING  
1317 F STREET, N.W.  
WASHINGTON, D. C.

R.M.A. DATA BUREAU  
90 West Street  
New York, N. Y.

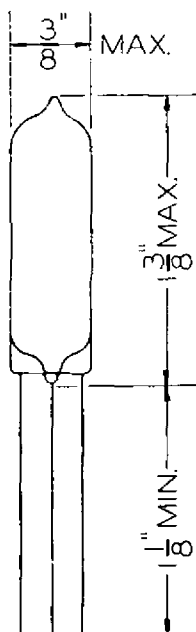
TYPE 5802\*

Release No. 719

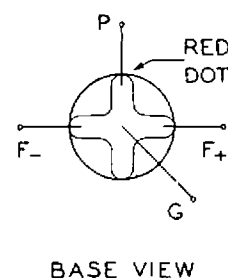
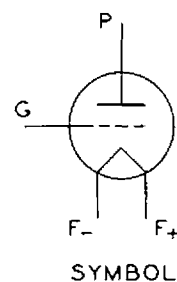
December 10, 1948

Sponsor: Victoreen Instrument Co.

## LOW-MU TRIODE



The 5802 is a subminiature triode designed for d.c. amplifiers in radiation measuring instruments. The low filament current makes possible much longer life or reduced weight to portable instruments. Although not specifically designed for electrometer use, the tube is widely used in the Alpha meter, "zeus" and "zeuto," circuits where grid currents of  $10^{-14}$  amperes are not considered excessive. Other applications are in photo cell circuits, high impedance voltmeters and similar low current devices.



The VX-32B may be used as replacement for the V-32, VX-32, or VX-32A. It has the same general characteristics as the previous tubes except that tolerances have been narrowed and microphonics have been reduced to a minimum.

### CHARACTERISTICS

|                                                   | <u>Min.</u> | <u>Nominal</u> | <u>Max.</u> |
|---------------------------------------------------|-------------|----------------|-------------|
| Filament Voltage                                  | 1.12        | 1.25           | 1.5 volts   |
| Total Cathode Current                             | -           | 250            | 500 ua      |
| Filament Current                                  | 9           | 10             | 13 ma       |
| Transconductance To all other                     | -           | 65             | - umho      |
| Amplification Factor electrodes                   | -           | 1.6            | -           |
| Plate Resistance in parallel                      | -           | 25             | - k ohm     |
| Leakage Resistance To all other                   | $10^{14}$   | -              | - ohms      |
| Capacitance: Grid & electrodes in                 | -           | 2              | - uuf       |
| Plate parallel                                    | -           | 3              | - uuf       |
| Plate Current ( $I_f=10$ ma $E_b=10V$ $E_c=-3V$ ) | 37          | -              | 110 ua      |

\*(VX-32B)