

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.

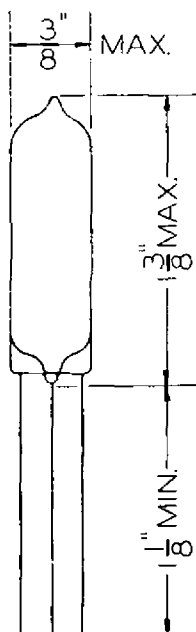
TYPE 5802*

Release No. 719

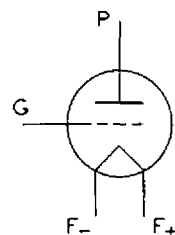
December 10, 1948

Sponsor: Victoreen Instrument Co.

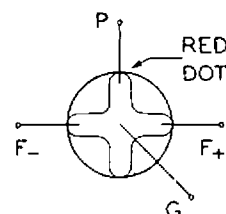
LOW-MU TRIODE



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.



SYMBOL



BASE VIEW

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 electrodes	-	65	- umho
Amplification Factor in parallel	-	1.6	-
Plate Resistance	-	25	- k ohm
Leakage Resistance To all other electrodes	10^{14}	-	- ohms
Capacitance: Grid & electrodes in parallel	-	2	- uuf
	-	3	- uuf
Plate Current ($I_f = 10$ ma $E_b = 10V$ $E_c = -3V$)	37	-	110 ua

*(VX-32B)