

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.

Release No. 719

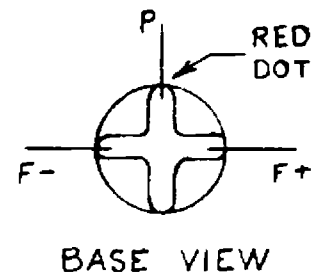
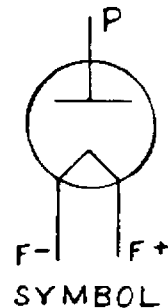
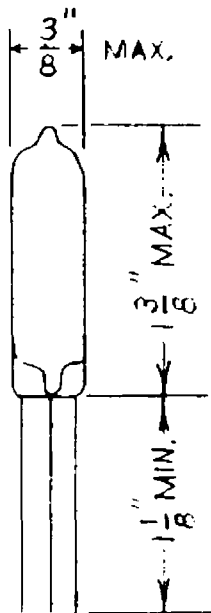
December 10, 1948

Sponsor: Victoreen Instrument Co.

TYPE 5799*

HIGH VOLTAGE DIODE

The 5799 is a sub-miniature, high vacuum, half-wave, rectifier, designed specifically for portable equipment where low power consumption and compactness are required. Operation of the filament from 60 cycle or R.F. supply is frequently advantageous. The high inverse peak voltage rating makes this tube ideally suited for use in high voltage, low current, power supplies.



CHARACTERISTICS AS HALF WAVE RECTIFIER

| | | <u>Min.</u> | <u>Nom.</u> | <u>Max.</u> | |
|---|----------|-------------|-------------|-------------|-----|
| Filament Voltage | E_f | 1.1 | 1.25 | 1.5 | v |
| Filament Current | I_f | - | 10 | - | ma |
| Filament Resistance | R_f | 112 | 125 | 137 | ohm |
| Peak Inverse Voltage | E_{px} | - | - | 3000 | v |
| Peak Plate Current | i_b | - | - | 600 | ua |
| D.C. Output Current | I_b | - | - | 200 | ua |
| Capacitance | C_{pk} | - | 1 | - | uuf |
| Tube Voltage Drop ($I_b = 200$ ua D.C.) | E_b | - | - | 5 | v |

*(VX-21)