

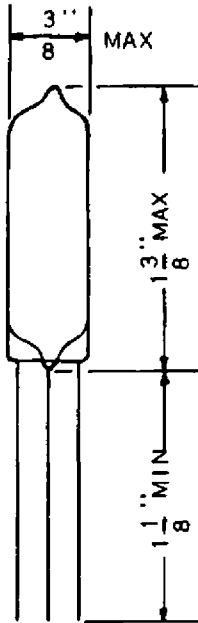


THE VICTOREEN INSTRUMENT CO.

5806 HOUGH AVE., CLEVELAND, OHIO

MARCH 1949

DATA SHEET 1

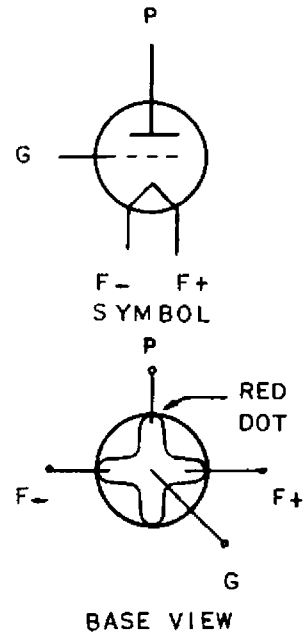


### 5828 MEDIUM MU TRIODE

The **5828** is a subminiature triode intended for use in portable geiger counter instruments. It is recommended as a replacement for the high-mu triode connection of the VX-41A.

Typical applications are in cathode follower preamplifier circuits, multivibrator pulse shaping circuits and D.C. amplifiers.

In these applications, the **5828** has the advantage of lower operating voltages and higher transconductance.



### CHARACTERISTICS

		MIN.	NOM.	MAX.	
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
TOTAL CATHODE CURRENT	$I_k$	-	-	750	$\mu a$
PLATE CURRENT (1) ( $E_f = 1.25$ v; $E_b = 50$ v; $E_c = -5$ v)	$I_b$	400	-	700	$\mu a$
PLATE CURRENT (2) ( $E_f = 1.25$ v; $E_b = 50$ v; $E_c = -4.5$ v)	$I_b$	-	-	1	$\mu a$
TRANSCONDUCTANCE ( $E_f = 1.25$ v; $E_b = 50$ v; $E_c = .5$ v)	$G_m$	400	-	-	$\mu MHO$
AMPLIFICATION	$\mu$	16		19	