

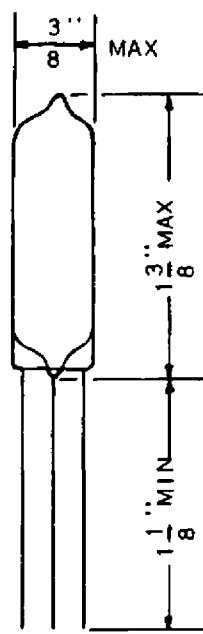


THE VICTOREEN INSTRUMENT CO.

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DATA SHEET 1

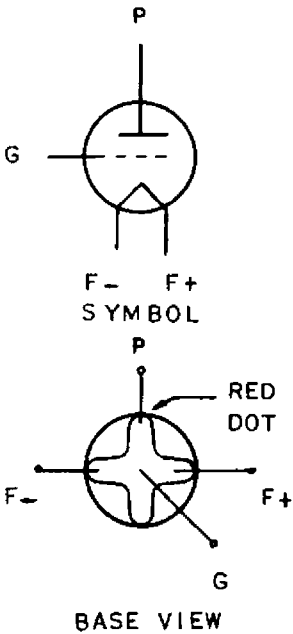


5828
MEDIUM MU TRIODE

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, multi-vibrator 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	μa
PLATE CURRENT (1) ($E_f = 1.25$ v; $E_b = 50$ v; $E_c = -5$ v)	I_b	400	-	700	μa
PLATE CURRENT (2) ($E_f = 1.25$ v; $E_b = 50$ v; $E_c = -4.5$ v)	I_b	-	-	1	μa
TRANSCONDUCTANCE ($E_f = 1.25$ v; $E_b = 50$ v; $E_c = .5$ v)	G_m	400	-	-	μMHO
AMPLIFICATION	μ	16		19	