



THE VICTOREEN INSTRUMENT CO.

5806 HOUGH AVE. CLEVELAND, OHIO

MAY 1950

DATA SHEET 21

TENTATIVE

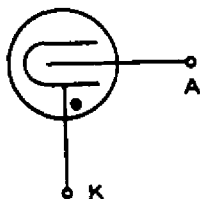
1B102 THYRODE

The 1B102 is a mica-window beta counter tube designed to meet both laboratory and field requirements.

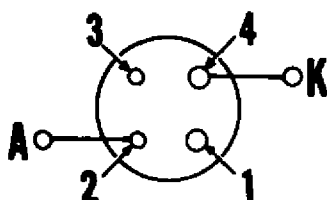
Photosensitivity and the effects of static charges on the window have been practically eliminated by the use of a halogen quenching gas.

The 1B102 Thyrode has been equipped with a RMA medium 4-pin tube base to facilitate mounting in laboratory and field equipment.

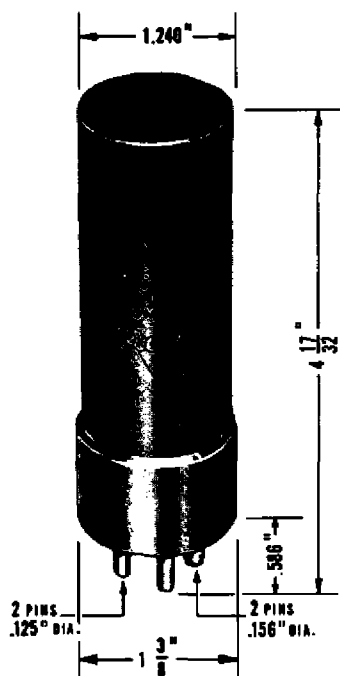
Resistance to vibration and shock is much greater than that of the 1B67.



SYMBOL



BASE VIEW



THRESHOLD VOLTAGE*.....(MAX.)	825	VOLTS
PLATEAU LENGTH*.....(MIN.)	150	VOLTS
PLATEAU SLOPE*.....(MAX.)	10	%/100 VOLTS
(V ₀ = 800 To 1000 V)		
RECOVERY TIME.....	200	μSEC
BACKGROUND.....	40	C/M
(V ₀ = 900 V)		
LIFE.....	UNLIMITED BY USE	
(AT 6000 C/M, V ₀ = 900 V)		
ACTIVE LENGTH.....	1.7	INCHES
WINDOW (MICA).....	2	MG/CM ²
ELECTRODE CAPACITANCE.....	2.5	μμF

*NEW TUBES

RATINGS

OPERATING VOLTAGE	(MIN.)	850	VOLTS
	(MAX.)	950	VOLTS
AMBIENT TEMPERATURE	(MIN.)	-55	°C
	(MAX.)	+70	°C
RELATIVE HUMIDITY	(MAX.)	100	%

TUBE CHARACTERISTICS

