



THE VICTOREEN INSTRUMENT CO.

5806 HOUGH AVE. CLEVELAND, OHIO

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DATA SHEET 20

TENTATIVE

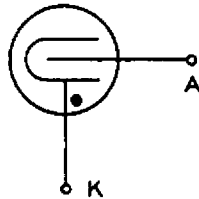
### IB106 THYRODE

The IB106 is a mica-window beta counter tube designed to meet both laboratory and field requirements.

Operating voltage has been reduced to 900 volts, and photosensitivity and the effects of static charges on the window have been practically eliminated by the use of a halogen quenching gas.

The coaxial base fits Thyrode Socket No. 380 or Probe No. 263-232. Tubes are easily replaced even in water tight installations.

Resistance to vibration and shock is much greater than that of the IB67.



SYMBOL

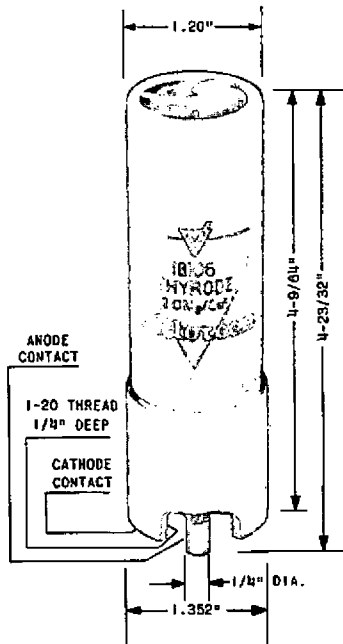
### CHARACTERISTICS

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	$\mu$ SEC
BACKGROUND		40	C/M
( $V_0 = 900$ V)			
LIFE		$10^{10}$	COUNTS
(AT 6000 C/M, $V_0 = 900$ V)			
ACTIVE LENGTH		1.7	INCHES
WINDOW (MICA)		2	MG/CM <sup>2</sup>
ELECTRODE CAPACITANCE		2.5	$\mu$ MF

\*NEW TUBES

### RATINGS

OPERATING VOLTAGE	(MIN.)	850	VOLTS
	(MAX.)	950	VOLTS
AMBIENT TEMPERATURE	(MIN.)	-55	$^{\circ}$ C
	(MAX.)	70	$^{\circ}$ C
RELATIVE HUMIDITY	(MAX.)	100	%



### TUBE CHARACTERISTICS

