

## SPECTROMETRIC PHOTOMULTIPLIER TUBE PMT-143-1

PMT-143-1 has bialkali photocathode, flat-concave input window of boron-silicate glass, electron electrostatic focusing and linear 12-dynode multiplication systems.

The device is intended for research of fast processes. It has minimum time-of flight spread across photocathode active area.

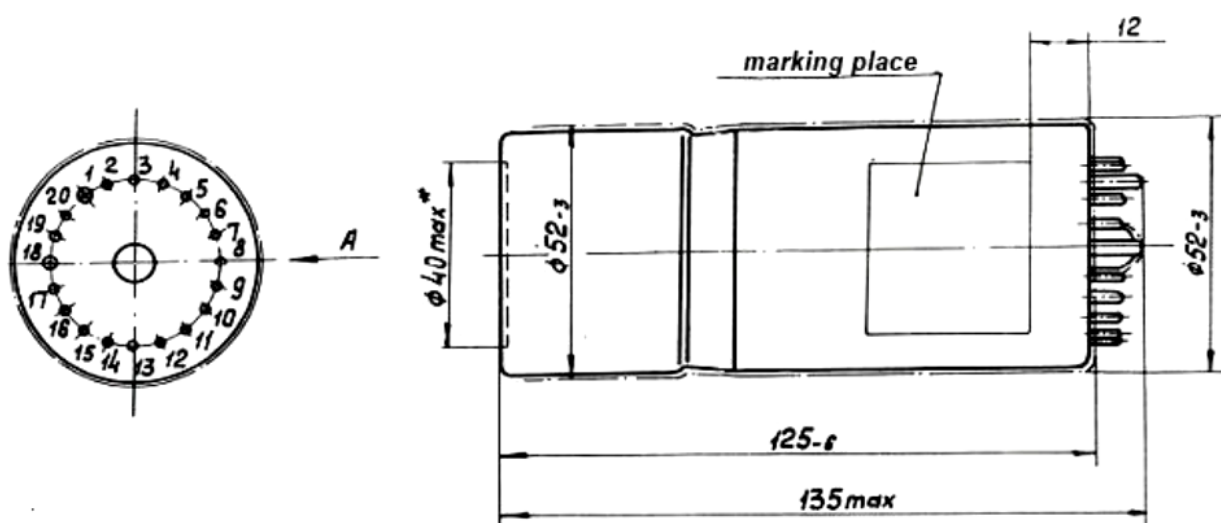


### SPECIFICATIONS

Photocathode diameter, mm		40
Device diameter, mm		52
Photocathode		SbKNaCs
Supply voltage, V	at anode luminous sensitivity of 100 A/lm	2000
	at anode luminous sensitivity of 1000 A/lm	2450
Spectral response, nm		360÷650
Photocathode luminous sensitivity, $\mu\text{A/lm}$		60
Photocathode radiant sensitivity ( $\lambda=410\text{ nm}$ ), $\text{mA/W}$		65
Count rate of dark signal (at anode luminous sensitivity of 300 A/lm), pulse/s		$\leq 630$
Pulse rise time, ns		$\leq 3.0$
Single electron resolution at 0.75 level, %		$\leq 75$

## OUTPUT CONNECTION

## DIMENSIONAL OUTLINE



## SPECTRAL RESPONSE CHARACTERISTIC

