JSC "Ruselectronics"
NATIONAL RESEARCH INSTITUTE
ELECTRON

PMT-202 PHOTOMULTIPLIER TUBE

PMT-202 shows improved luminous characteristic linearity in pulse mode and extended service life.
The device has a multialkali photocathode, electrostatic focusing, venetian blind 14-dynode structure of improved construction.
It is intended for application in equipment with pulse light exposure, and can be used in spectrometric equipment.

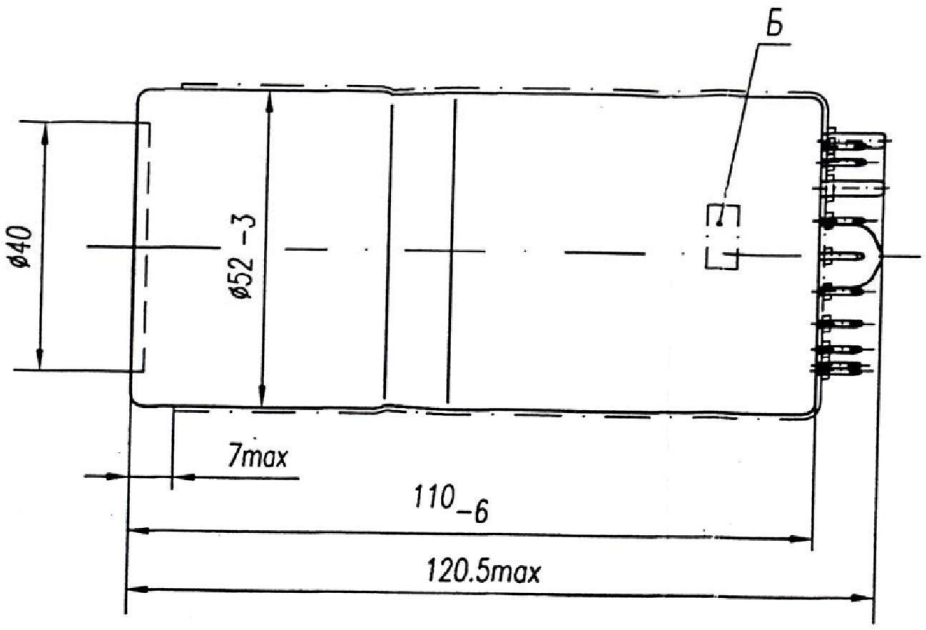
Construction design: PMT-202 is produced in a glass balloon with plane head-on optical input and rigid leads. Input window is made of boron-silicate glass C52-2.

SPECIFICATIONS

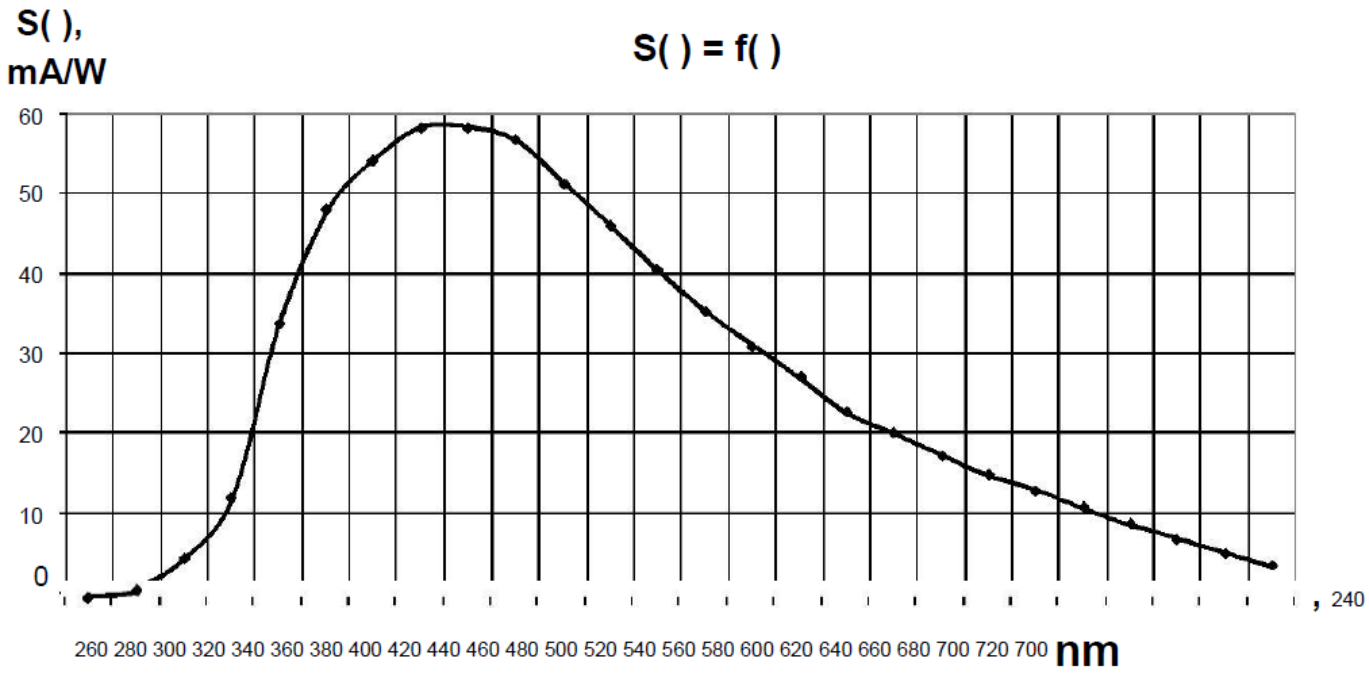
Photocathode	SbKNaCs
Photocathode diameter, mm	40
Device diameter, mm	52
Length, mm	120.5
Supply voltage, V	2200
Spectral response, nm	300-750
Anode luminous sensitivity, A/lm	≥300
Dark current, A	$\leq 5 \cdot 10^{-7}$
Gain under normal conditions, per unit	$1 \cdot 10^{6}$
Anode luminous nonlinearity in pulse mode at anode current amplitude of 0.6 A and pulse of (1-100) μs, %	≤15
Average anode current, A	$(3 \div 3.2) \cdot 10^{-5}$

Limiting mode single influence, min	≤5
Limiting supply voltage, V	≤2400
Limiting average anode current, A	$\leq 5 \cdot 10^{-4}$
Operation temperature range, ºC	-10 ÷ +40

DIMENSIONAL OUTLINE



SPECTRAL RESPONSE CHARACTERISTIC



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