

## PHOTOMULTIPLIER TUBE PMT-TETRODE WITH HUGH IMMUNITY TO MAGNETIC FIELD

PMT-tetrode has a bialkali photocathode and two-cascade multiplication system.

The device is intended for scintillation irradiation detection in high energy physics under conditions of magnetic fields up to 1.2 T and radiation up to 1500 Gy.

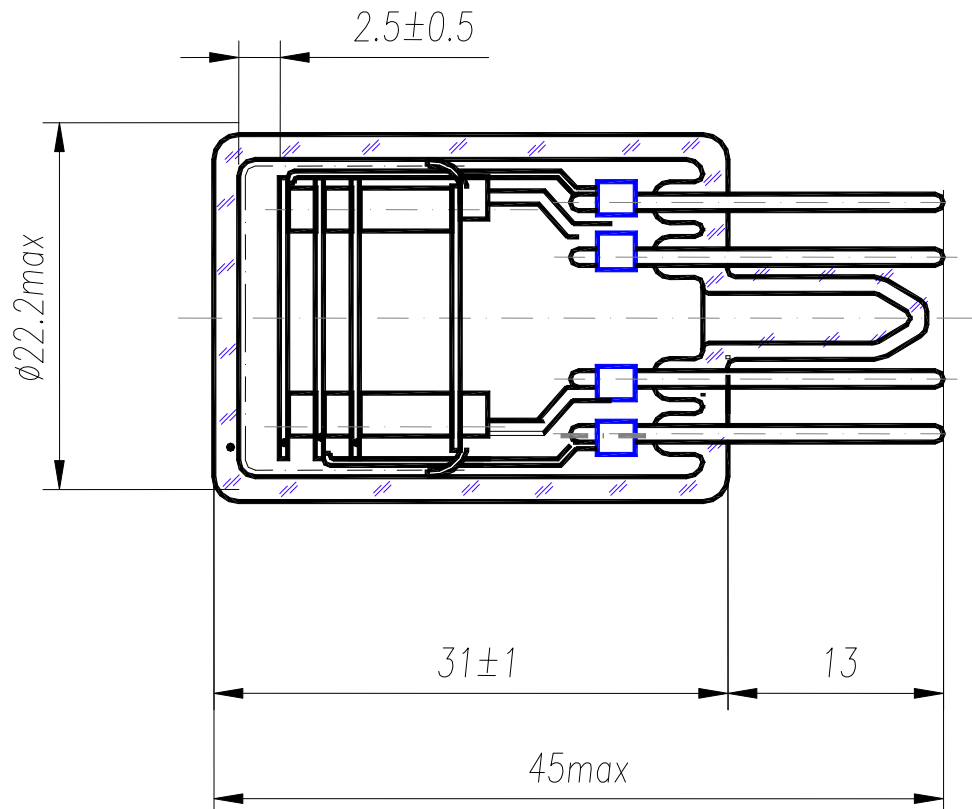


Construction design: the PMT is produced in a glass balloon with head-on optical input and flexible leads. The input window is made of boron-silicate UV glass.

### SPECIFICATIONS

Photocathode	SbKCsO
Photocathode diameter, mm	16
Device diameter, mm	22
Length, mm	46
Supply voltage, V	1200
Spectral response, nm	220 ÷ 650
Photocathode luminous sensitivity, $\mu\text{A}/\text{lm}$	$\geq 60$
Photocathode quantum efficiency ( $\lambda=420$ nm), %	$\geq 15$
Dark current, nA	$\leq 2$
Gain under normal conditions	$\geq 20$
Gain under magnetic field at $H=1.2$ T	$\geq 13$
Operating temperature range, $^{\circ}\text{C}$	$-5 \div +50$

## DIMENSIONAL OUTLINE



## SPECTRAL RESPONSE CHARACTERISTIC

