

Photomultiplier Tube

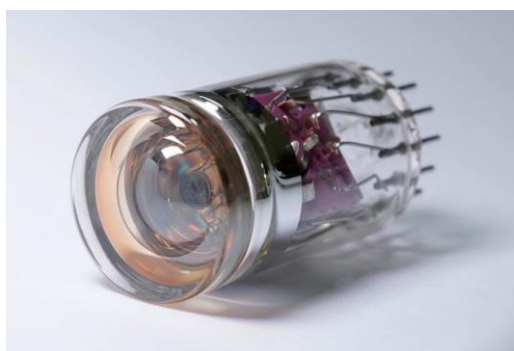
Model: OPR-PMT2014-B

Features

- Fast Response
- Compact Structure

Applications

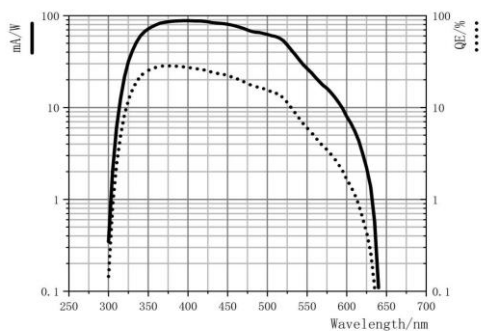
- Medical Measurement
- Radiation Measurement



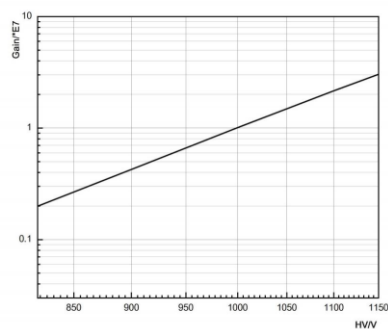
Technical Specification

Window material		Borosilicate glass			
Photocathode material		Bialkali			
Dynode structure		Circular and Linear focused			
Cathode parameters		Min.	Typ.	Max.	Unit.
	Cathode effective diameter	22			mm
	Spectral response range	290-650			nm
	Quantum efficiency peak wavelength		380		nm
Anode parameters	Blue sensitivity	9			μA/lmf
	Anode sensitivity	200			A/lm
	Dark count			500	Hz
Time response	Anode dark current			5	nA
	Rise time		1.5		ns
	TTS		1.5		ns
Operating ambient temperature		-30~+50			°C
Storage temperature		-50~+50			°C

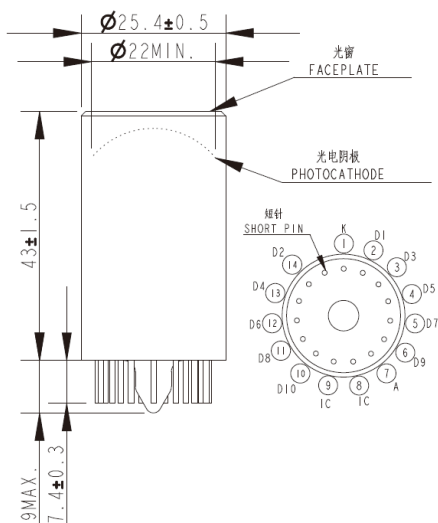
Typical spectral response curve



Typical gain curve



PMT structure



PMT voltage distribution ratio

