

Photomultiplier Tube

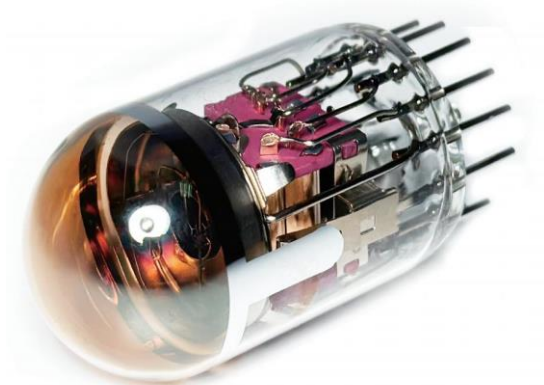
Model: OPR-PMT2017

Features

- Compact Structure

Applications

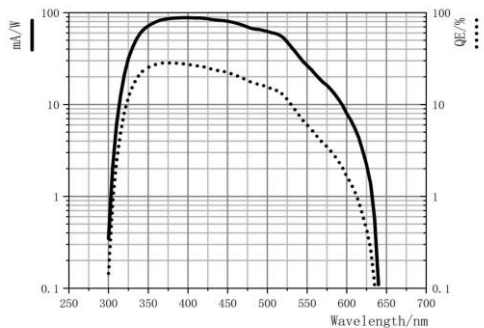
- Radiation Measurement
- Scintillation Counting



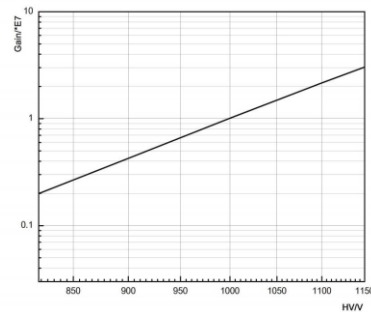
Technical Specification

Window material		Borosilicate glass			
Photocathode material		Bialkali			
Dynode structure		Circular and Linear Focused			
		Min.	Typ.	Max.	Unit.
Cathode parameters	Cathode effective diameter	22			mm
	Spectral response range	290-650			nm
	Quantum efficiency peak wavelength		380		nm
	Luminous sensitivity		60		$\mu\text{A}/\text{lm}$
	Blue sensitivity	8	10		$\mu\text{A}/\text{lmf}$
Anode parameters	Supply voltage		1000	1150	V
	Gain		7×10^6		--
	Anode dark current		3	20	nA
Time response	Rise time		1.4		ns
	TTS		1.5		ns
Operating ambient temperature		-30~+50			°C
Storage temperature		-50~+50			°C

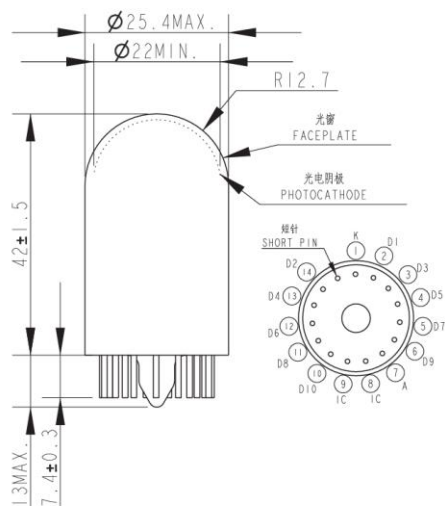
Typical spectral response curve



Typical gain curve



PMT structure



PMT voltage distribution ratio

