

Photomultiplier Tube

Model: OPR-PMT2002

Features

- High Gain
- Small Size
- Linearization

Applications

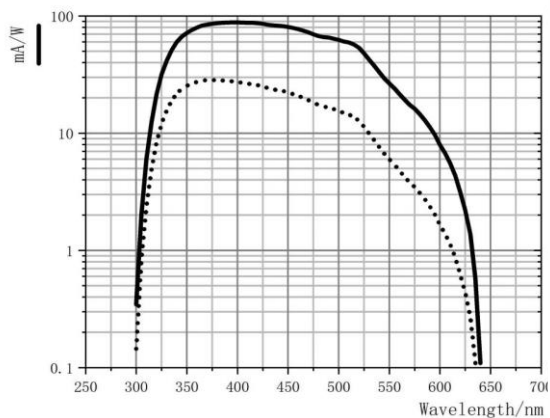
- Environmental Monitoring



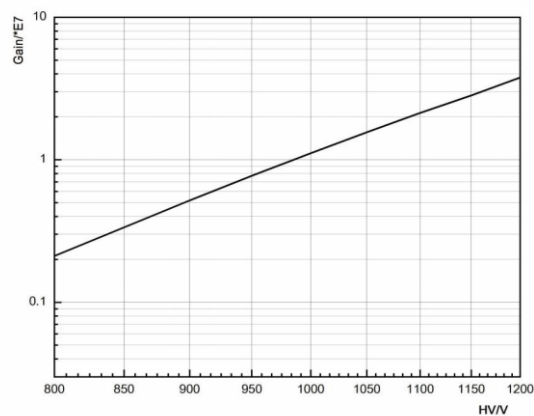
Technical Specification

Window material		Borosilicate glass			
Photocathode material		Bialkali			
Dynode structure		Linear focused			
		Min.	Typ.	Max.	Unit.
Cathode parameters	Cathode effective diameter	10			mm
	Spectral response range	290-650			nm
	Quantum efficiency peak wavelength		380		nm
	Luminous sensitivity	40	100		μA/lm
	Blue sensitivity	9	10		μA/lmf
Anode parameters	Anode sensitivity	30	100		A/lm(1000V)
	Supply voltage		1000	1250	V
	Gain		1×10^7		--
	Anode dark current		1	15	nA(1000V)
Time response	Rise time		2.1		ns
Operating ambient temperature		-30~+50			°C
Storage temperature		-50~+50			°C

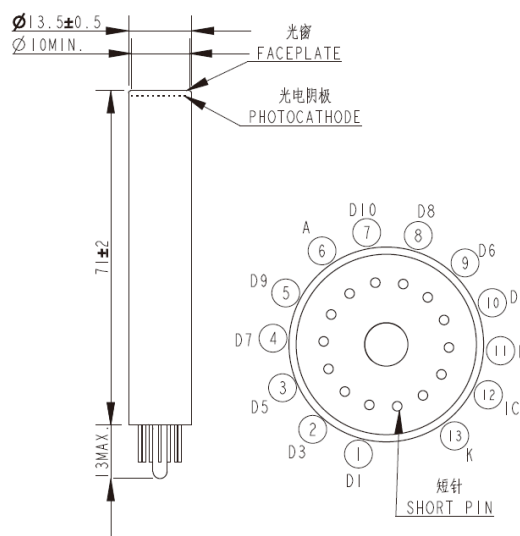
Typical spectral response curve



Typical gain curve



PMT structure



PMT voltage distribution ratio

