

Photomultiplier Tube

Model: OPR-PMT4021-B

Features

- High Gain
- High Collection Efficiency

Applications

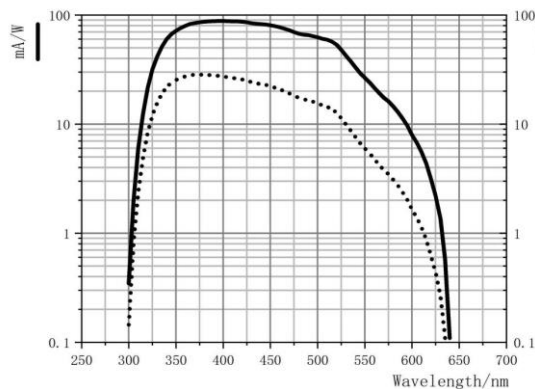
- Scintillation Counting
- Radiation Measurement



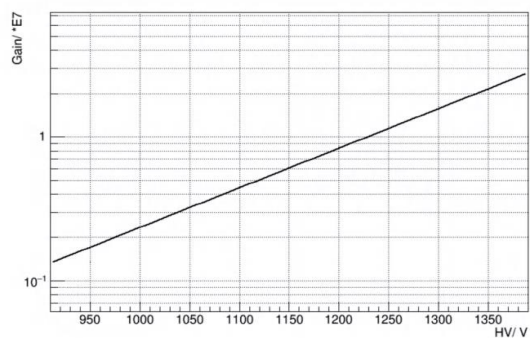
Technical Specification

Window material		Borosilicate glass			
Photocathode material		Bialkali			
Dynode structure		Box-and-grid Focused			
Cathode parameters		Min.	Typ.	Max.	Unit.
	Cathode effective diameter	46			mm
	Spectral response range	290-650			nm
	Quantum efficiency peak wavelength		380		nm
	Luminous sensitivity		60		μA/lm
Anode parameters	Blue sensitivity	9			μA/lmf
	Anode sensitivity		1000	1250	A/lm
	Supply voltage		1250	1500	V
	Gain		1.6×10^7		--
Time response	Anode Dark current			50	nA
	Rise time			7	ns
Operating ambient temperature		-30~+50			°C
Storage temperature		-50~+50			°C

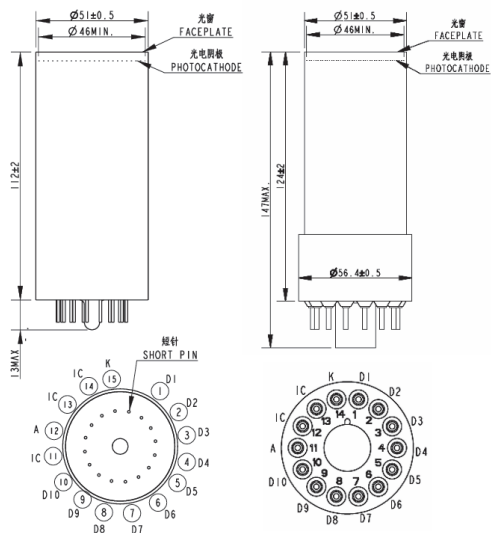
Typical spectral response curve



Typical gain Characteristics
(OPR-PMT4021-B)



PMT structure



PMT voltage distribution ratio

