

Photomultiplier Tube

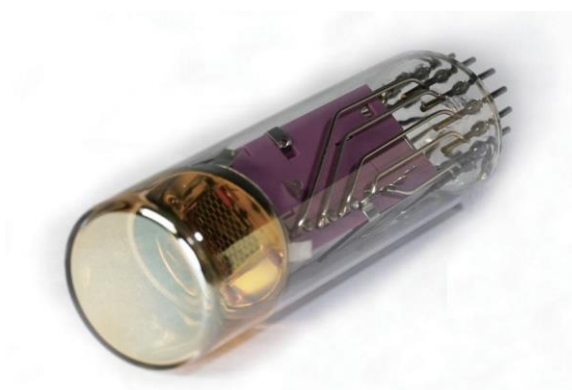
Model: OPR-PMT2016

Features

- High Gain
- Good Stability

Applications

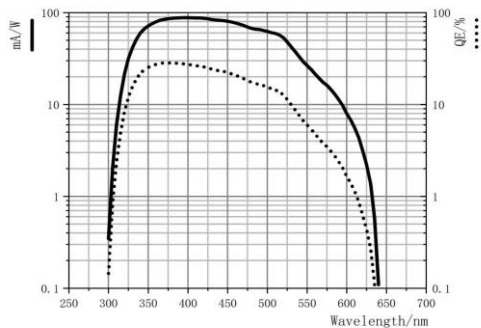
- Radiation Measurement



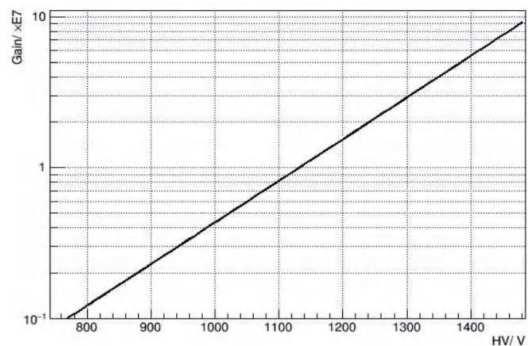
Technical Specification

Window material		Borosilicate glass			
Photocathode material		Bialkali			
Dynode structure		Box and Linear Focused			
		Min.	Typ.	Max.	Unit.
Cathode parameters	Cathode effective diameter	25			mm
	Spectral response range	290-650			nm
	Quantum efficiency peak wavelength		380		nm
	Luminous sensitivity	60	80		$\mu\text{A}/\text{lm}$
	Blue sensitivity	8	11		$\mu\text{A}/\text{lmf}$
Anode parameters	Anode sensitivity	50	200		A/lm
	Supply voltage		1000	1500	V
	Gain		4×10^6		--
	Anode dark current		2	10	nA
Time response	Rise time		1.9		ns
	TTS		3		ns
Operating ambient temperature		-30~+50			$^{\circ}\text{C}$
Storage temperature		-50~+50			$^{\circ}\text{C}$

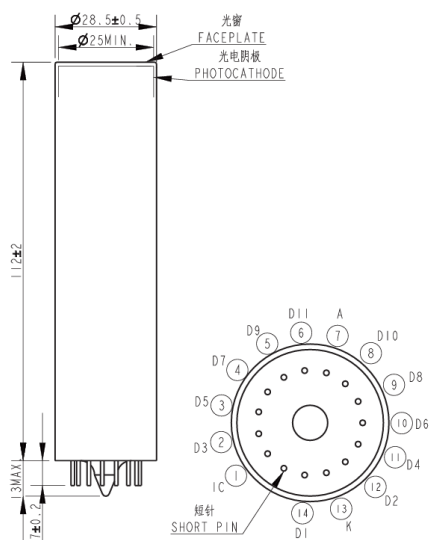
Typical spectral response curve



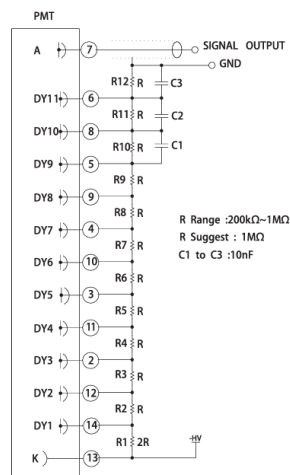
Typical gain curve



PMT structure



PMT voltage distribution ratio



电极	K	Dy1	Dy2	Dy3	Dy4	Dy5	Dy6	Dy7	Dy8	Dy9	Dy10	Dy11	A
分压比	2	1	1	1	1	1	1	1	1	1	1	1	1

K: 阴极; Dy: 打拿极; A: 阳极

K: Cathode; Dy: Dynode; A: Anode