

Photomultiplier Tube

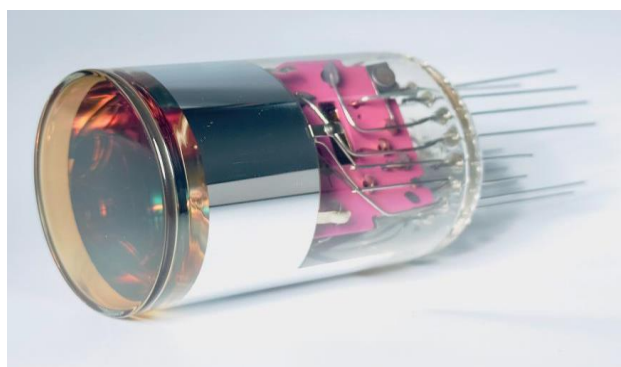
Model: OPR-PMT4022

Features

- High Energy Resolution
- High Collection Efficiency

Applications

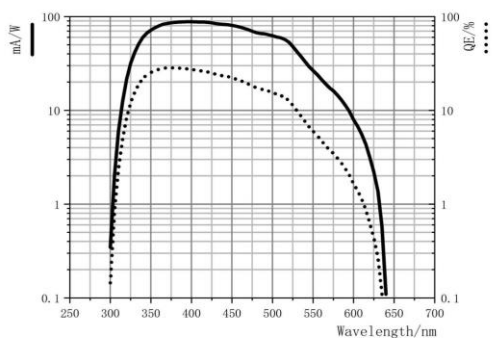
- Nuclear Medical Instrument
- Radiation Measurement



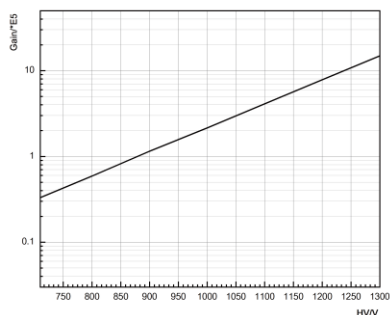
Technical Specification

Window material		Borosilicate glass			
Photocathode material		Bialkali			
Dynode structure		Box and Linear Focused			
Cathode parameters		Min.	Typ.	Max.	Unit.
	Cathode effective diameter	46			mm
	Spectral response range	290-650			nm
	Quantum efficiency peak wavelength		420		nm
Anode parameters	Blue sensitivity	8	10		μA/lmf
	Anode sensitivity	3	30		A/lm
	Supply voltage		1000		V
	Gain		2.73×10^6		--
Time response	Anode Dark current		2	10	nA
	Rise time		6		ns
Operating ambient temperature		-30~+50			°C
Storage temperature		-50~+50			°C

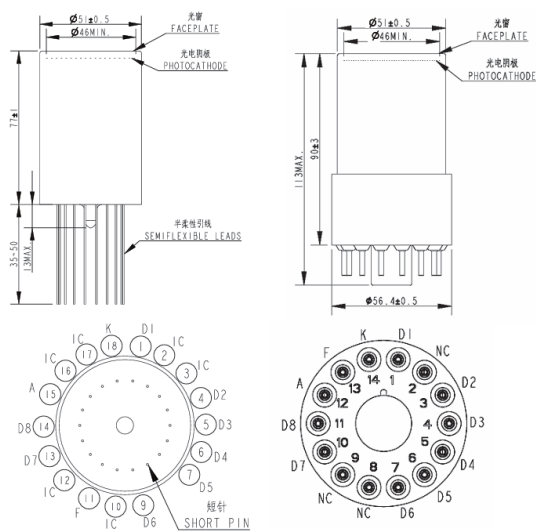
Typical spectral response curve



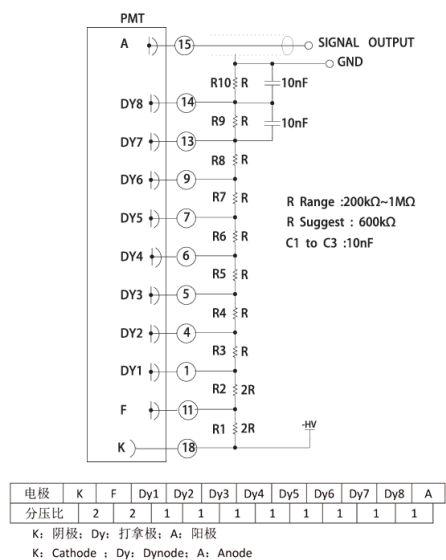
Typical gain Characteristics



PMT structure



PMT voltage distribution ratio



电极	K	F	Dy1	Dy2	Dy3	Dy4	Dy5	Dy6	Dy7	Dy8	A
分压比	2	2	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