

Photomultiplier Tube

Model: OPR-PMT4031

Features

- High Energy Resolution
- High Collection Efficiency

Applications

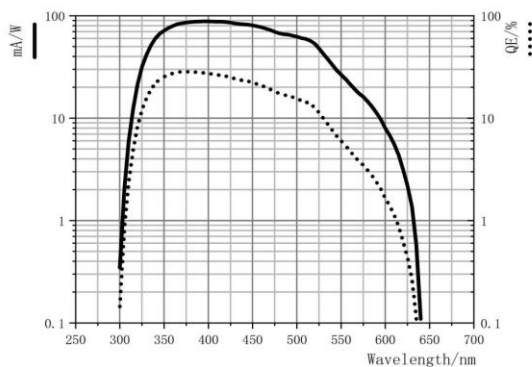
- Radiation Measurement
- Nuclear Medical Instrument



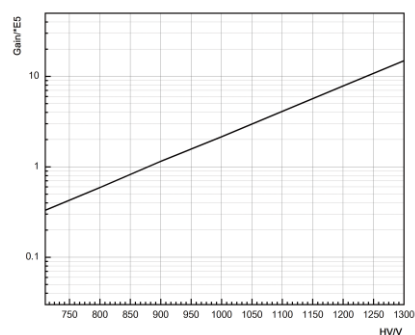
Technical Specification

Window material		Borosilicate glass			
Photocathode material		Bialkali			
Dynode structure		Box and Linear Focused			
		Min.	Typ.	Max.	Unit.
Cathode parameters	Spectral response range	290-650			nm
	Quantum efficiency peak wavelength		420		nm
	Blue sensitivity	10	11.5		μA/lmf
Anode parameters	Anode sensitivity	3	30		A/lm
	Supply voltage		1000		V
	Gain		2.73×10^6		--
	Anode dark current		2	10	nA
Time response	Rise time		6		ns
Operating ambient temperature		-30~+50			°C
Storage temperature		-50~+50			°C

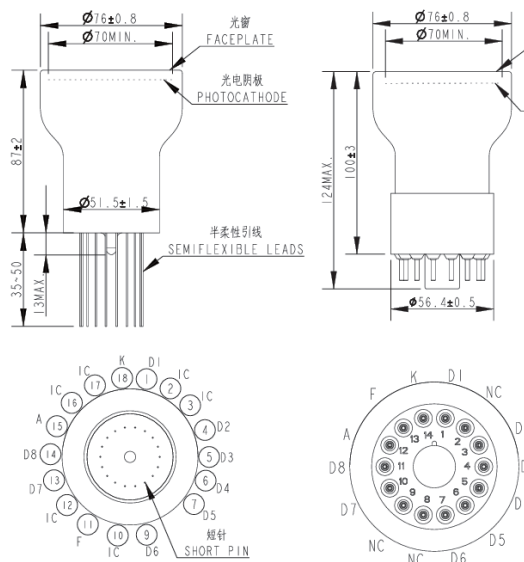
Typical spectral response curve



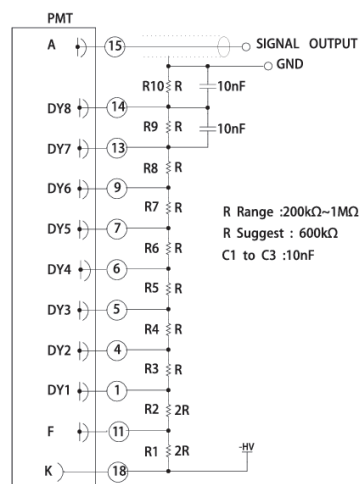
Typical gain curve



PMT structure



PMT voltage distribution ratio



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