

Photomultiplier Tube

Model: OPR-PMT2031

Features

- High Quantum Efficiency
- Fast Response
- Low Noise

Applications

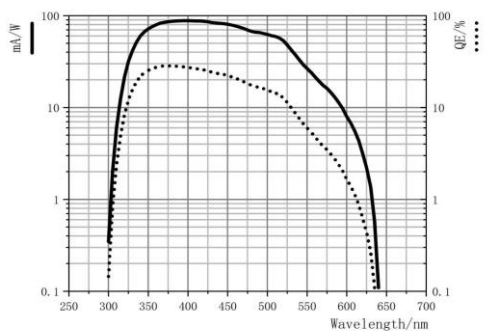
- High Energy Physics



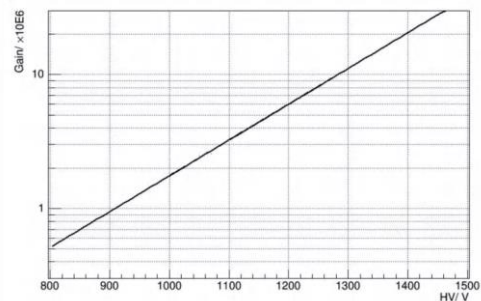
Technical Specification

Window material		Borosilicate glass			
Photocathode material		Bialkali			
Dynode structure		Circular and Linear Focused			
		Min.	Typ.	Max.	Unit.
Cathode parameters	Spectral response range	290-650			nm
	Quantum efficiency @410nm		28		%
	Quantum efficiency @450nm		24		%
Anode parameters	Supply voltage	900	1250	1300	V
	Gain		1×10^7		--
	Dark count rate		1500	3000	Hz
	PE charge spectrum peak/valley		2.5		--
Time response	Rise time		1.9		ns
	Transit time spread (FWHM)		1.6		ns
Operating ambient temperature		-30~+50			°C
Storage temperature		-50~+50			°C

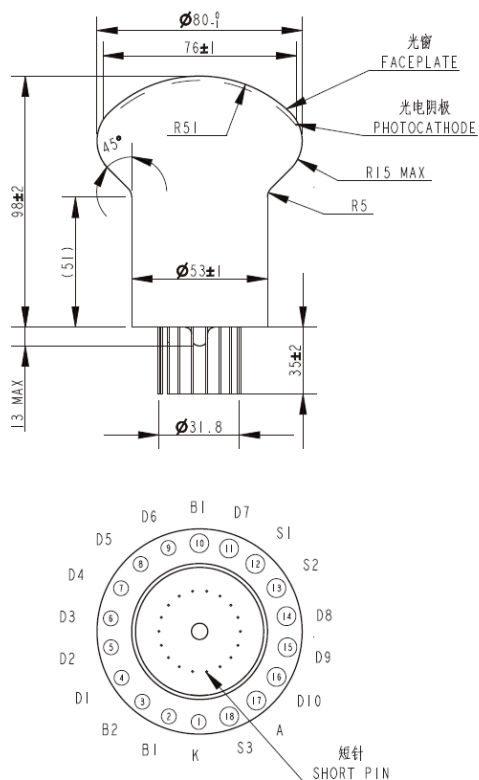
Typical spectral response curve



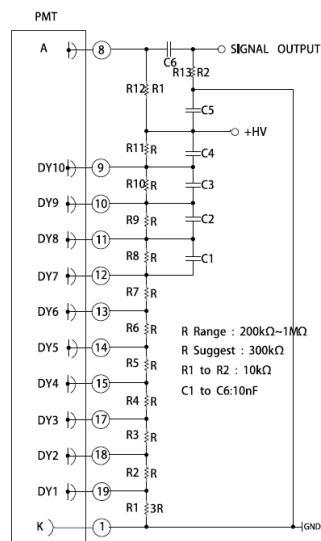
Typical gain curve



PMT structure



PMT voltage distribution ratio



电极	K	Dy1	Dy2	Dy3	Dy4	Dy5	Dy6	Dy7	Dy8	Dy9	Dy10	A
分压比	3	1	1	1	1	1	1	1	1	1	1	1

K: 阴极; Dy: 打拿板; A: 阳极
K: Cathode ; Dy: Dynode; A: Anode