

Photomultiplier Tube

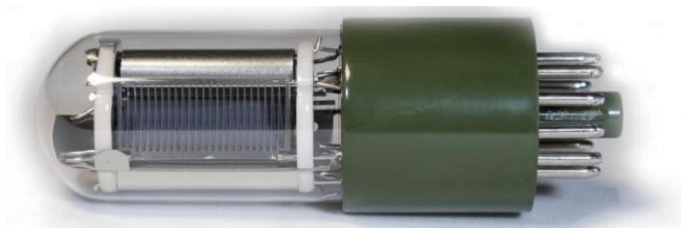
Model: OPR-PMT1012-B

Features

- Wide Spectral Response
- High Gain

Applications

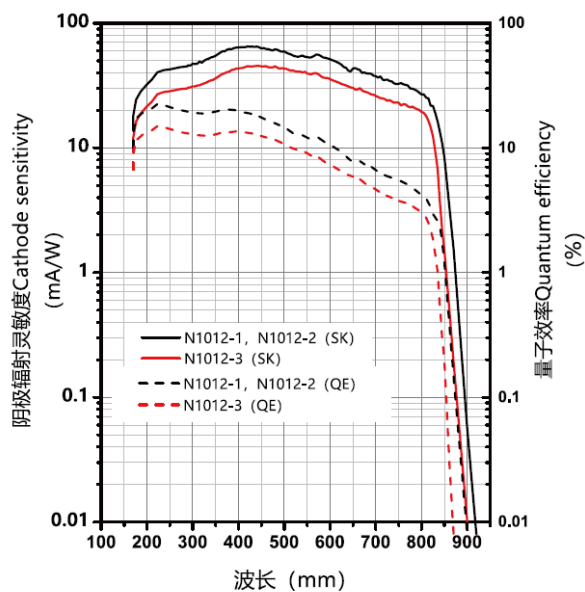
- Environment Monitoring
- Semiconductor Detection
- Bioluminescence Detection



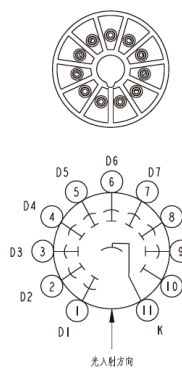
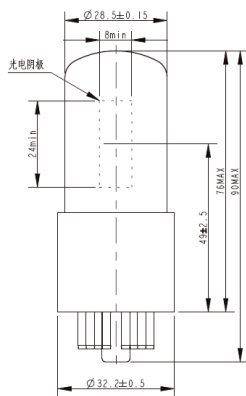
Technical Specification

Window material		Quartz glass			
Photocathode material		Multi-alkali			
Proportion of cathode		8 × 24 mm ²			
Dynode structure		Circular			
		Min.	Typ.	Max.	Unit.
Cathode parameters	Shortwave response	165			nm
	Longwave response	900			nm
	Supply voltage	1250			V
	Photocathode Luminous sensitivity	140	250		μA/lm
Anode parameters	Anode Luminous sensitivity	1500	2000		A/lm
	Average anode current		0.1		μA
	Anode dark current (30min later)		3	50	nA
	Gain	8 × 10 ⁶			--
Time response	Rise time		2.2		ns
	TTS		1.2		ns
Operating ambient temperature		-30~+50			°C
Storage temperature		-50~+50			°C

Typical spectral response curve



PMT structure



PMT voltage distribution ratio

