

N6012微通道板型光电倍增管

N6012 MCP-PMT

产品应用 Application

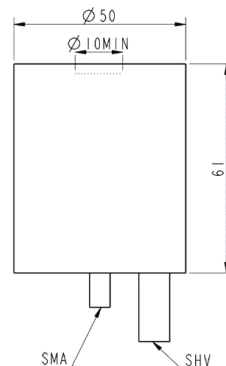
分子科学	Molecular Science
医学科学	Medical Science
生物化学	Biochemistry
材料工程	Material Engineering

产品特点 Features

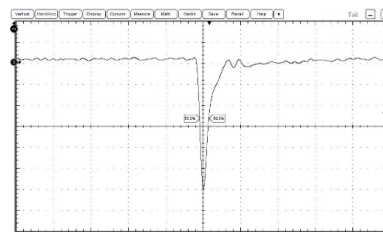
响应快	Fast Response
增益高	High Gain
噪声低	Low Noise

技术参数 Technical Specification

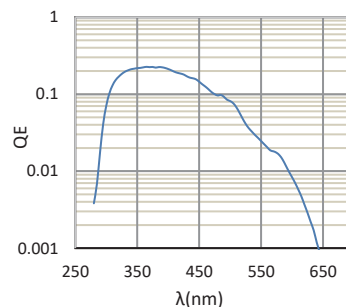
玻璃材料/Window material		AVG glass			
光电阴极/Photocathode		K ₂ CsSb			
倍增结构/Multiplier structure		2片微通道板型/2 MCP			
		Min	Typ	Max	Unit
阴极参数 Cathode Sensitivity	光谱范围/Spectral range	280~650			nm
	QE峰值波长/Peak wavelength		380		nm
	积分灵敏度/Luminous sensitivity		70		μA/lm
	量子效率@410nm/QE		22		%
	辐射灵敏度/Radiant sensitivity@410nm		72		mA/W
阳极参数 Anode Sensitivity	工作电压/Supply voltage		1800	2500	V
	增益/Gain		1 × 10 ⁶		
	暗计数/Dark count rate@0.2pe		1000	5000	Hz
	能量分辨率/Charge resolution		35		%
	单光电子谱峰谷比/Peak to valley ratio		3		-
时间参数 Time Response	上升时间/Rise time		250		ps
	脉冲宽度/Pulse width		700		ps
	下降时间/Fall time		1100		ps
	渡越时间弥散/TTS@σ(SPE)		50		ps
	渡越时间弥散/TTS@σ(MPE)		15		ps



N6012 光电倍增管结构图
N6012 PMT structure



典型脉冲信号
Typical spectral



典型光谱响应曲线
Typical spectral response curve