1.5-5 μm PbSe大面积功率探测器

应用：

- QCLs的功率探测
- DFBs的功率探测

特点：

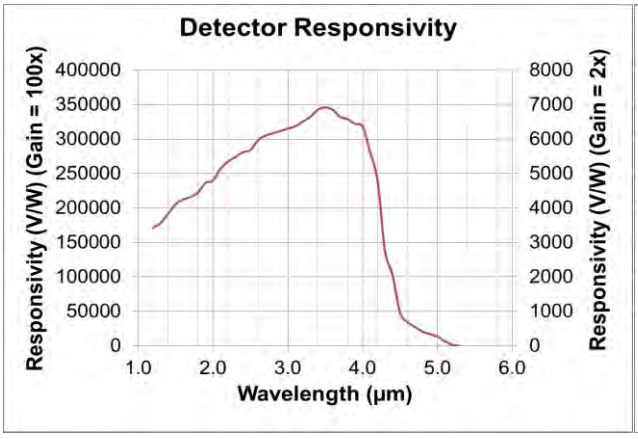
- 增益放大2x或者100x
- 与热敏探测器相比，该探测器响应速度非常快，且更易于达到稳定状态。

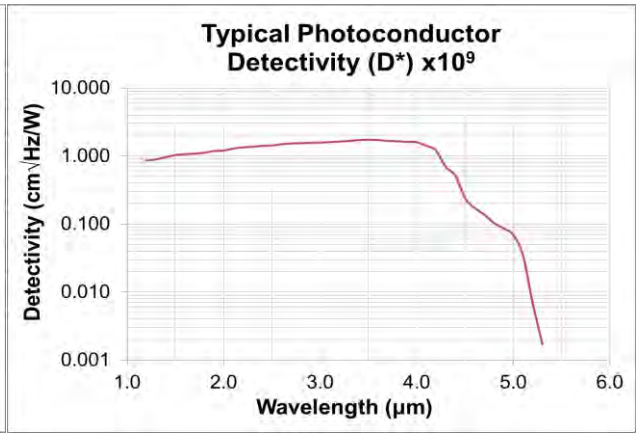
1.5-5 μm PbSe大面积功率探测器可以用于测量的波长范围是1.5 μm-5.0 μm，增益可调倍数为2X或者100X，有效面积达到5 mm x 5 mm，易于校准。基于光电导器件，与热敏探测器相比，该探测器响应速度非常快，且更易于达到稳定状态。

技术参数[abc]

Part No. (Model)	120-10127-0001 (ET-6000)[d]	
Detector Type	Photoconductor	
Gain	2x	100x
Rise Time/Fall Time (μs)	23/23	35/35
Responsivity (High Impedance)	>6400V/W at 3.5μm	>3.2x10^{5}V/W at 3.5μm
Responsivity (50Ω Impedance)	>3200V/W at 3.5μm	>1.6x10^{5}V/W at 3.5μm
Power Supply (VDC)	24	24
Bandwidth	0.02kHz-15kHz	0.02kHz-10kHz
Active Area (mm x mm)	5 x 5	5 x 5
Detectivity (λp, 1000, 1)	>1.5 x 10^{9}cm-√Hz/W	>1.5 x 10^{9}cm-√Hz/W
Maximum Output (V)	±11	±11
Maximum Input Power	0.6mW/mm^2	0.6mW/mm^2
Operating Temperature (°C)	10-40	10-40
Acceptance Angle (1/2 angle)	20°	20°
Noise Equivalent Power (pW/√Hz)	400 at 2000nm	400 at 2000nm
Mounting (Tapped Holes)	8-32 or M4	8-32 or M4
Output Connector	BNC	BNC

[a] Product specifications and pricing subject to change without notice.
[b] All specifications apply for a 1,000Hz chopping frequency.
[c] An optical chopper and lock-in amplifier are recommended for proper operation.
[d] RoHS compliant.





Electro-Optics Technology, Inc.