

> 12.5 GHz光电探测器

应用：

- 可监测调Q激光器的输出
- 可监测外调制连续激光器的输出
- 可监测锁模激光器的输出
- 时域和频率响应测量

特点：

- 内置或外接电源可选
- 可选的光学FC插座



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EOT > 12.5 GHz光电探测器内置的PIN光电二极管，通过光伏效应将光功率转换成电流。当通过50欧姆电阻连接到示波器时，可以测量激光器的脉宽。当通过50欧姆电阻连接到光谱分析仪时，可以测量激光器的频率响应。采用内置偏压电源，锂电池寿命很长。通过一根同轴电缆连接光电探测器的BNC输出口，并通过50欧姆电阻连接示波器或光谱分析仪，就足以运行。

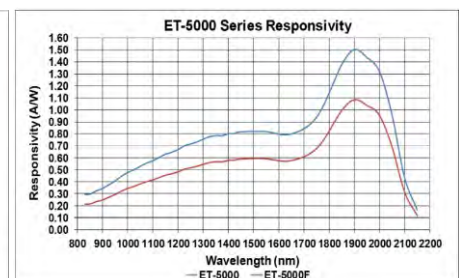
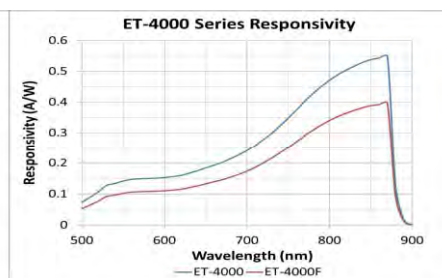
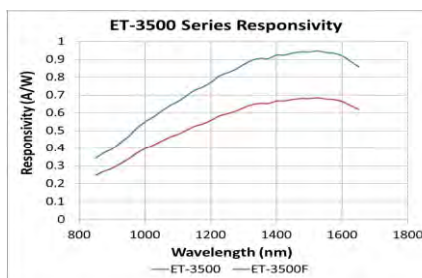
技术参数^{a,b}

Part No. (Model)	120-10058-0001 ^c (ET-3500)	120-10068-0001 ^c (ET-3500F)	120-10071-0001 ^c (ET-4000)	120-10081-0001 ^c (ET-4000F)	120-10105-0001 (ET-5000) ^c	120-10104-0001 (ET-5000F) ^c
Detector Material	InGaAs	InGaAs	GaAs	GaAs	InGaAs	InGaAs
Rise Time/Fall Time (ps)	<25/<25	<25/<25	<30/<30	<30/<30	28/28	28/28
Responsivity (A/W)	>0.90 at 1300nm	>0.65 at 1300nm	0.53 at 830nm	0.38 at 830nm	1.3 at 2000nm	0.95 at 2000nm
Power Supply (VDC)	6	6	3	3	3	3
Bandwidth	>15GHz	>15GHz	>12.5GHz	>12.5GHz	>12.5GHz	>12.5GHz
Active Area Diameter (μm)	32	32	60	60	40	40
Dark Current (nA)	<3	<3	<0.5	<0.5	<1	<1
Acceptance Angle (1/2 angle)	15°	N/A	15°	N/A	20°	N/A
Noise Equivalent Power (pW/√Hz)	20 at 1300nm	28 at 1300nm	35 at 830nm	45 at 830nm	15 at 2000nm	20 at 2000nm
Maximum Linear CW Power (mW)	10	10	10	10	3	3
Mounting (Tapped Holes)	8-32 or M4	8-32 or M4	8-32 or M4	8-32 or M4	8-32 or M4	8-32 or M4
Output Connector	SMA	SMA	SMA	SMA	SMA	SMA
Fiber Optic Connection	N/A	FC/UPC, SMF28e	N/A	FC/UPC, SMF28e	N/A	FC/UPC

^a Product specifications and pricing subject to change without notice.

^b All specifications apply for a 50Ω termination unless otherwise noted.

^c RoHS compliant.



Electro-Optics Technology, Inc.