

## 22 GHz InGaAs光电探测器

### 应用：

- 监视超快激光器的输出
- 高重频外差应用
- 监视锁模激光器的输出
- 时域与频域响应测试

EOT 22 GHz (25 GHz) InGaAs光电探测器内置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。22 GHz InGaAs光电探测器采用内置偏压电源，锂电池寿命很长。通过一根同轴电缆连接光电探测器的BNC输入口，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<sup>ab</sup>

Part No. (Model)	120-10140-0001 (ET-3600)	120-10142-0001 (ET-3600F)
Detector Material	InGaAs	InGaAs
Rise Time/Fall Time	16ps/16ps	16ps/16ps
Responsivity <sup>c</sup>	>0.70A/W at 1300nm	>0.70A/W at 1300nm
Power Supply	3VDC	3VDC
Bandwidth	>22GHz	>22GHz
Active Area Diameter	20 $\mu$ m	20 $\mu$ m
Dark Current	<1nA	<1nA
Acceptance Angle (1/2 angle)	15 $^{\circ}$	N/A
Noise Equivalent Power <sup>d</sup>	26pW/ $\sqrt{\text{Hz}}$ at 1300nm	26pW/ $\sqrt{\text{Hz}}$ at 1300nm
Maximum Linear Rating CW	10mW	10mW
Mounting (Tapped Holes)	8-32 or M4	8-32 or M4
Output Connector	SMA	SMA
Fiber Optic Connection	N/A	FC/UPC, SMF28e

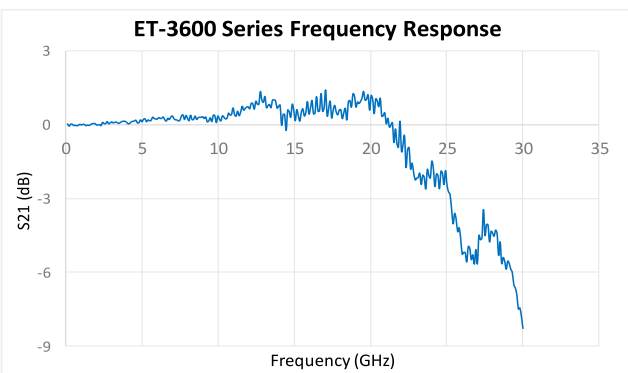
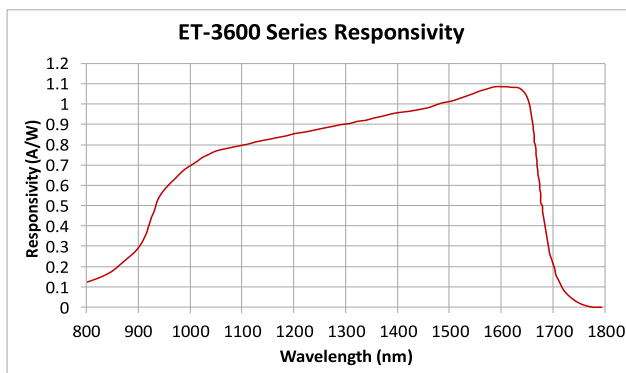
<sup>a</sup> Product specifications are subject to change.

<sup>b</sup> All specifications apply for a 50 $\Omega$  termination unless otherwise noted.

<sup>c</sup> Photodetectors have an internal 50 $\Omega$  termination. Responsivity data applicable to diode only. Detector output should be determined based on 1/2 the responsivity of that shown on graph.

<sup>d</sup> Noise Equivalent Power (NEP) is determined via open circuit output.

Note: All products are RoHS compliant.



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