



Electro-Optics Technology, Inc.

## >9GHz Amplified Photodetector



Applications:	Features:
<ul style="list-style-type: none"> <li>Monitoring externally modulated CW laser</li> <li>Measuring data bit rates</li> <li>Measuring power levels &lt;1mW</li> </ul>	<ul style="list-style-type: none"> <li>Built-in transimpedance amplifier</li> <li>Optional FC input receptacle available</li> <li>Comes with DC current monitor</li> </ul>

Part No. (Model) <sup>a, b</sup>	120-10060-0001 (ET-3500A)	120-10064-0001 (ET-3500AF)	120-10073-0001 (ET-4000A)	120-10077-0001 (ET-4000AF)
Spectral Range	1000-1650nm	1000-1650nm	400-900nm	400-900nm
Detector Material	InGaAs	InGaAs	GaAs	GaAs
Risetime	<40ps	<40ps	<40ps	<40ps
Falltime	<40ps	<40ps	<40ps	<40ps
Bandwidth	20kHz – 9GHz	20kHz – 9GHz	20kHz – 9GHz	20kHz – 9GHz
Conversion Gain	900V/W @1550nm	650V/W @1550nm	450V/W @850nm	325V/W @850nm
Current Monitor Output	1mV/μA	1mV/μA	1mV/μA	1mV/μA
Max. Nondistorted Voltage	450mV p-p	450mV p-p	450mV p-p	450mV p-p
Noise Equivalent Power	<25pW/√Hz	<25pW/√Hz	<45pW/√Hz	<45pW/√Hz
Max. Linear Input Current	225μA	225μA	225μA	225μA
Photodiode Active Area Diameter	32μm	32μm	40μm	40μm
Input Connector	Free Space	FC/UPC, SMF28e	Free Space	FC/UPC, SMF28e
Output Connector	SMA	SMA	SMA	SMA
Power Supply	5VDC	5VDC	5VDC	5VDC
Mounting (Tapped Holes)	8-32 or M4	8-32 or M4	8-32 or M4	8-32 or M4

Notes:

- Product specifications and pricing subject to change without notice.
- Not suitable for CW applications.

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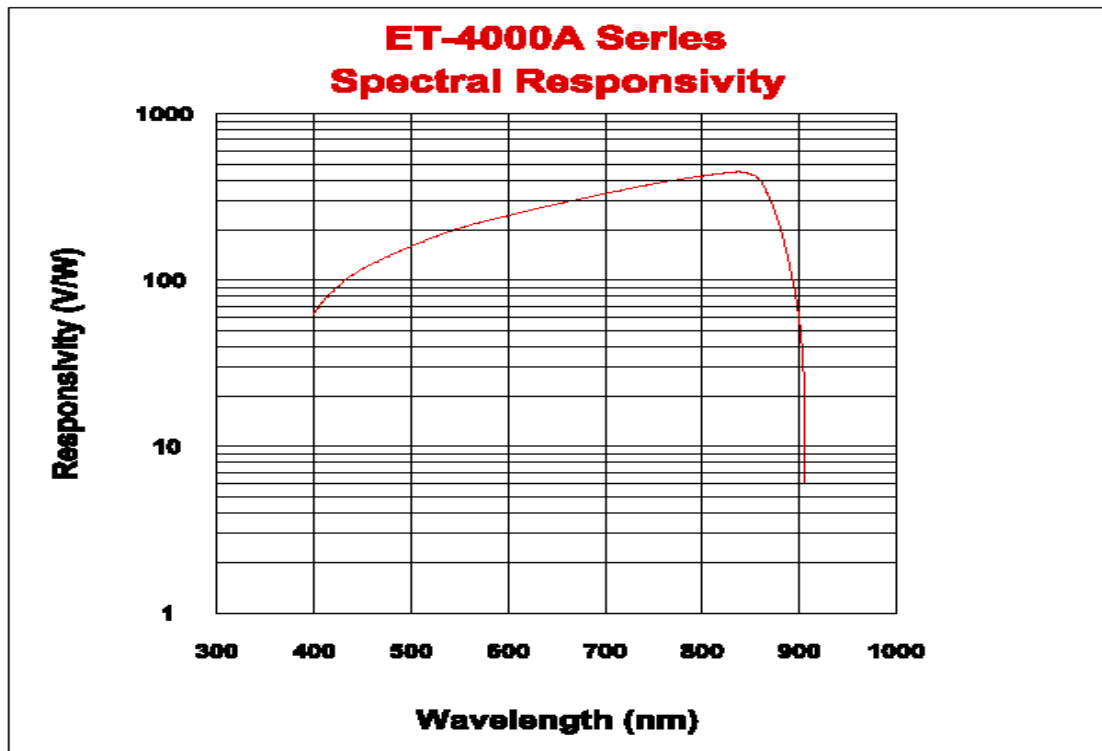
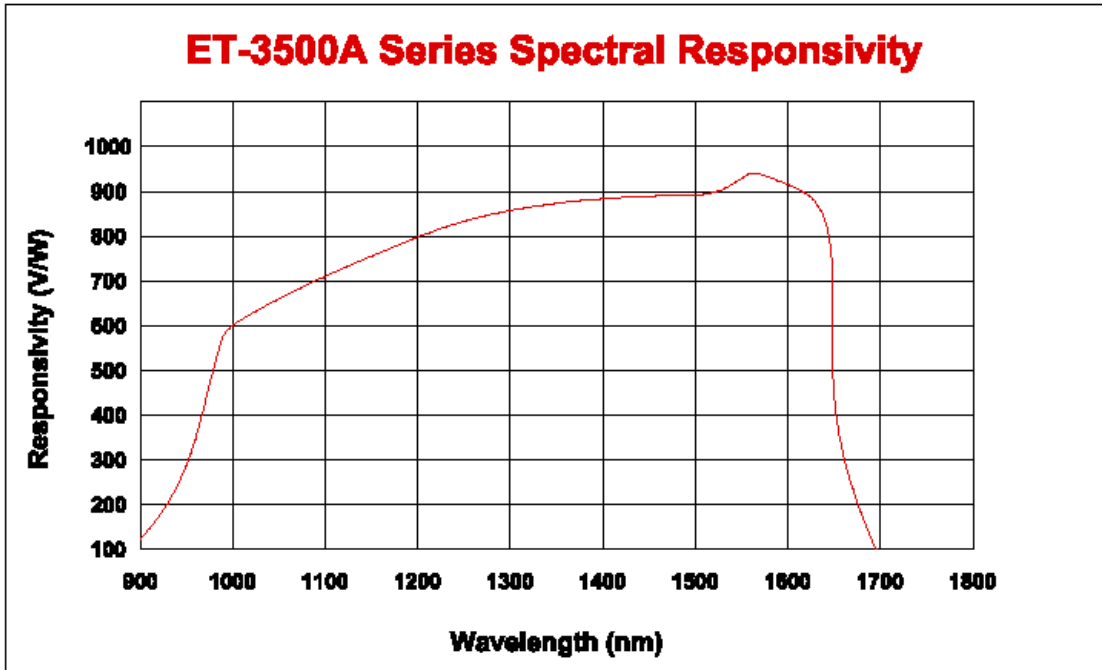
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