



Electro-Optics Technology, Inc.

>9GHz Amplified Photodetectors

Applications:

- Monitoring externally modulated cw lasers
- Measuring data bit rates
- Measuring sub mW power levels

Features:

- Built in transimpedance amplifier
- Optional FC input receptacle available
- Comes with DC current monitor.



	ET-3500A	ET-3500AF	ET-4000A	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/ μ A	1mV/ μ A	1mV/ μ A	1mV/ μ A
Max. Nondistorted Power	450mV p-p	450mV p-p	450mV p-p	450mV p-p
Noise Equivalent Power	<25pW/ \sqrt Hz	<25pW/ \sqrt Hz	<45pW/ \sqrt Hz	<45pW/ \sqrt Hz
Max linear cw density	10mW	10mW	10mW	10mW
Max damage pulse energy	0.3pJ	0.3pJ	0.3pJ	0.3pJ
Photodiode Active Area Dia.	32 μ m	32 μ m	40 μ m	40 μ m
Input Connector	Free Space	FC/PC	Free Space	FC/PC
Fiber Optic Connection	N/A	9/125 μ m SMF	N/A	9/125 μ m SMF
Output Connector	SMA	SMA	SMA	SMA
Power Supply	5VDC	5VDC	5VDC	5VDC
Mounting (Tapped Hole)	8-32 or M4	8-32 or M4	8-32 or M4	8-32 or M4

These detectors not suitable for cw applications.

