



Electro-Optics Technology, Inc.

<2GHz Amplified Photodetectors

Applications:

- Monitoring high rep rate, externally modulated cw lasers
- Viewing <mW laser pulses

Features:

- Built in transimpedance amplifier
- Optional FC input receptacle available



	ET-2030A	ET-3000A
Detector Material	Silicon	InGaAs
Risetime	<500ps	<400ps
Falltime	<500ps	<400ps
Responsivity	450V/W@830nm	900V/W @1300nm
Power Supply	24V	24V
Frequency Response	30kHz -1.2GHz	30kHz-1.5GHz
Active Area (dia.)	400μm	100μm
Acceptance Angle (1/2 Angle)	10°	20°
Noise Equivalent Power (pW/√Hz)	<60	<30
Max linear pulse density	<10mW/mm ²	<40mW/mm ²
Maximum Undistorted Output Voltage	500mV p-p	400mV p-p
Output Connector	BNC	BNC
Mounting (Tapped Hole)	8-32 and M4	8-32 and M4

These detectors not suitable for cw applications.

