



Electro-Optics Technology, Inc.

>10GHz Photodetector



Applications:	Features:
<ul style="list-style-type: none"> Monitoring the output of externally modulated CW laser Monitoring the output of mode-locked lasers 	<ul style="list-style-type: none"> Optional wall plug-in power supply available Typical frequency response for InGaAs models is >12.5GHz
<ul style="list-style-type: none"> Time domain and frequency response measurements 	<ul style="list-style-type: none"> Comes with internal 6V battery bias

Part No. (Model) ^a	120-10058-0001 (ET-3500)	120-10068-0001 (ET-3500F)	120-10071-0001 (ET-4000)	120-10081-0001 (ET-4000F)
Detector Type	PIN	PIN	PIN	PIN
Detector Material	InGaAs	InGaAs	GaAs	GaAs
Spectral Range	1000-1650nm	1000-1650nm	400-900nm	400-900nm
Risetime	<25ps	<25ps	<30ps	<30ps
Falltime	<25ps	<25ps	<30ps	<30ps
Responsivity	0.88A/W@1550nm	0.88A/W@1550nm	0.45A/W@850nm	0.45A/W@850nm
Bias Voltage	6V	6V	6V	6V
Cut Off Frequency	>15GHz	>15GHz	>12.5GHz	>12.5GHz
Active Area Dia.	32µm	32µm	40µm	40µm
Dark Current	<3nA	<3nA	<200pA	<200pA
Junction Capacitance	0.12pF	0.12pF	0.3pF	0.3pF
Noise Equivalent Power	<0.04pW/√Hz	<0.04pW/√Hz	<0.02pW/√Hz	<0.02pW/√Hz
Max. Linear CW Power	10mW	10mW	10mW	10mW
Output Connector	SMA	SMA	SMA	SMA
Fiber Optic Connection	N/A	FC/UPC, SMF28e	N/A	FC/UPC, SMF28e
Mounting (Tapped Holes)	8-32 or M4	8-32 or M4	8-32 or M4	8-32 or M4

Notes:

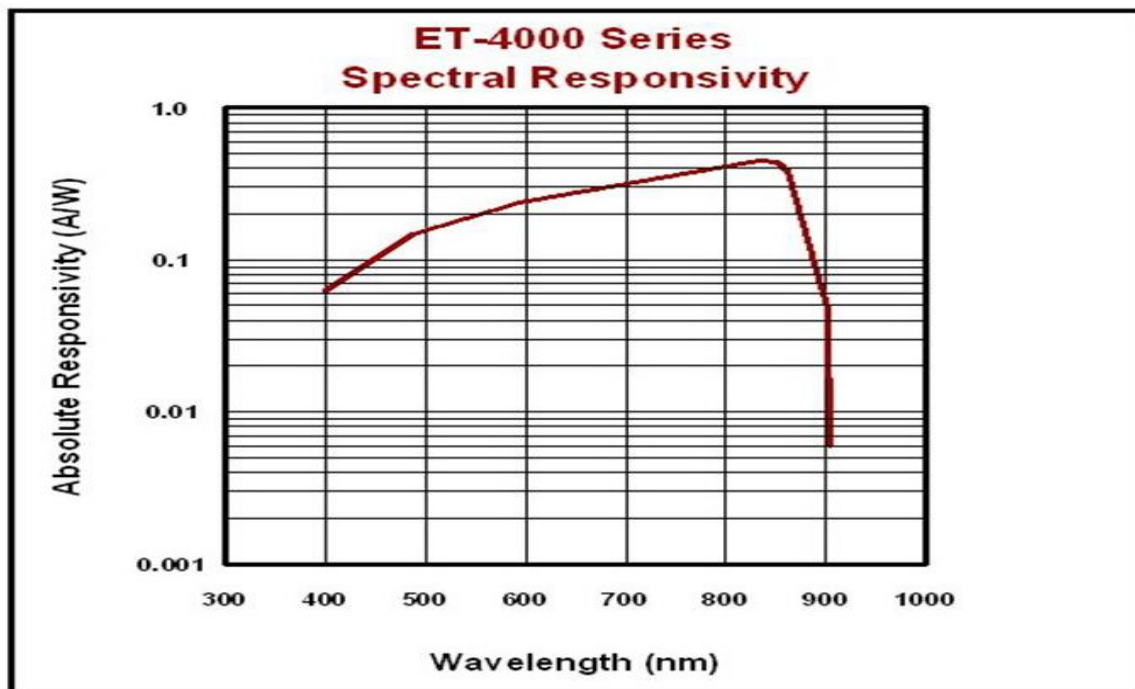
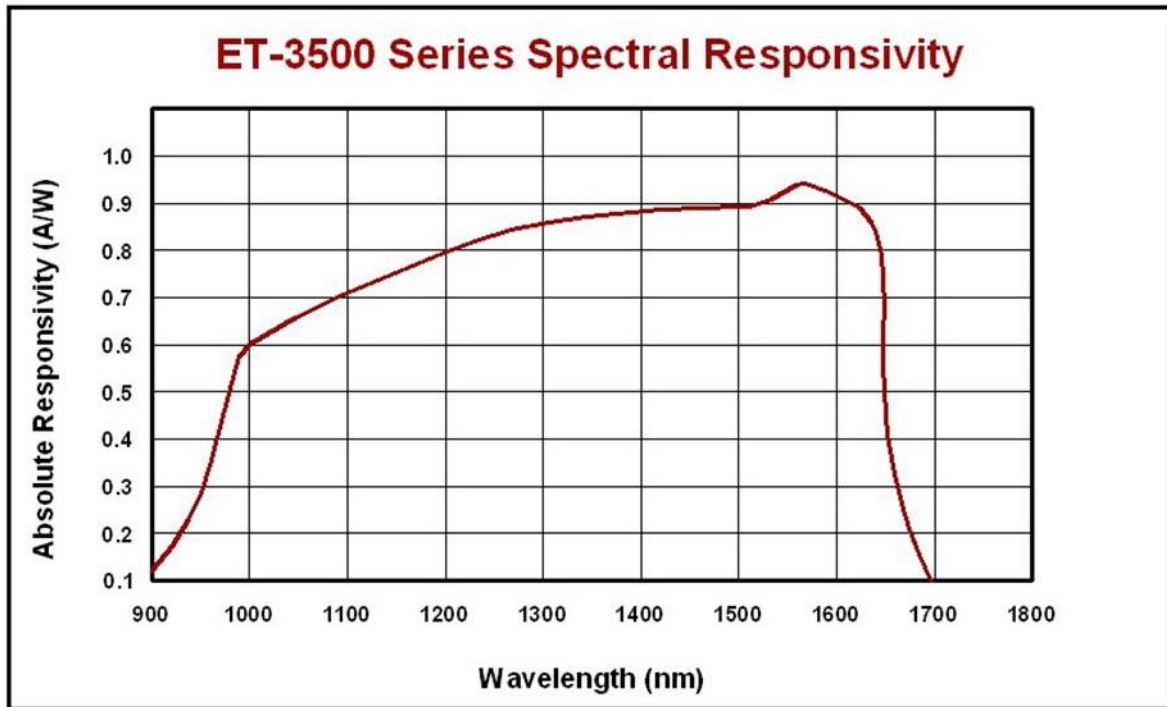
- a. Product specifications and pricing subject to change without notice.

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