

#### FEATURES

- 100 mm<sup>2</sup> Square Active Area
- Responsivity @ 3 nm 0.16 A/W
- Detection Range 1 nm to 12 nm
- Shipped with Protective Cover

#### Electro-Optical Characteristics at 25°C

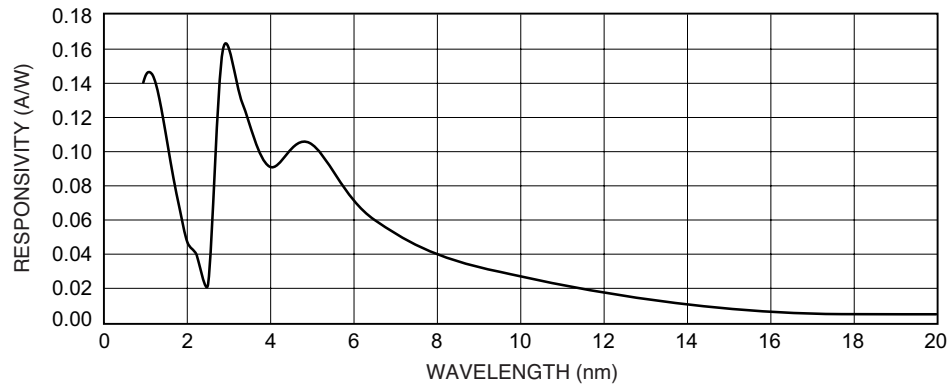
Parameters	Test Conditions	Min	Typ	Max	Units
Active Area	10 mm x 10 mm		100		mm <sup>2</sup>
Responsivity	@ 3 nm		0.16		A/W
Shunt Resistance, R <sub>sh</sub>	@ ±10 mV	20			Ohms
Reverse Breakdown Voltage, V <sub>R</sub>	1 <sub>R</sub> = 1 µA	5	10		Volts
Capacitance, C	V <sub>R</sub> = 0 V		10	44	nF

#### Thermal Parameters

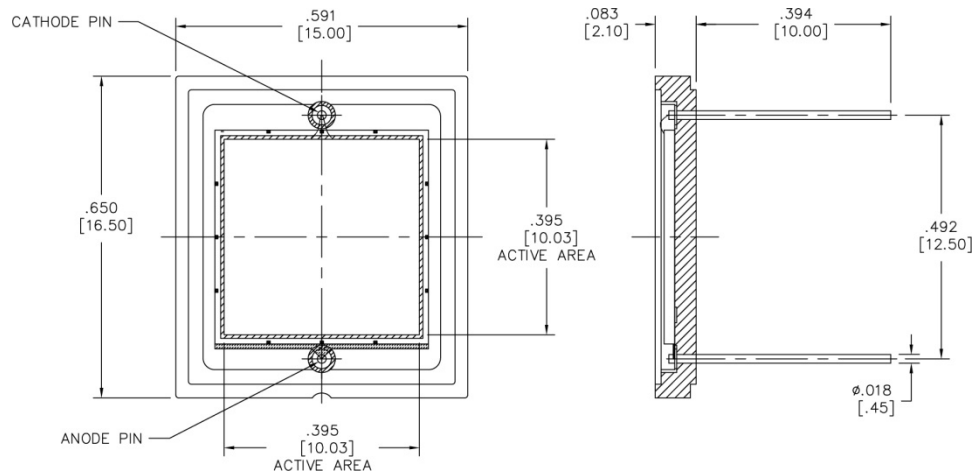
Storage and Operating Temperature Range	Units
Ambient	−10° to 40°C
Nitrogen or Vacuum	−20 to 80°C
Lead Soldering Temperature*	260°C

\*0.080" from case for 10 seconds.

**Typical Responsivity at 25°C**



**Package Information**



Dimensions are in inch [metric] units.

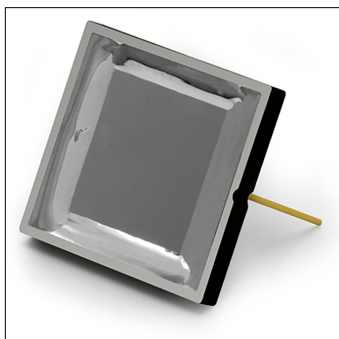
Specifications are subject to change without prior notice.



**海纳光学**

电话: 0755-84870203

网址: [www.highlightoptics.com](http://www.highlightoptics.com)



#### FEATURES

- 100 mm<sup>2</sup> Square Active Area
- Responsivity @ 40 nm 0.15 A/W
- Detection Range 18 nm to 80 nm
- Shipped with Protective Cover

#### Electro-Optical Characteristics at 25°C

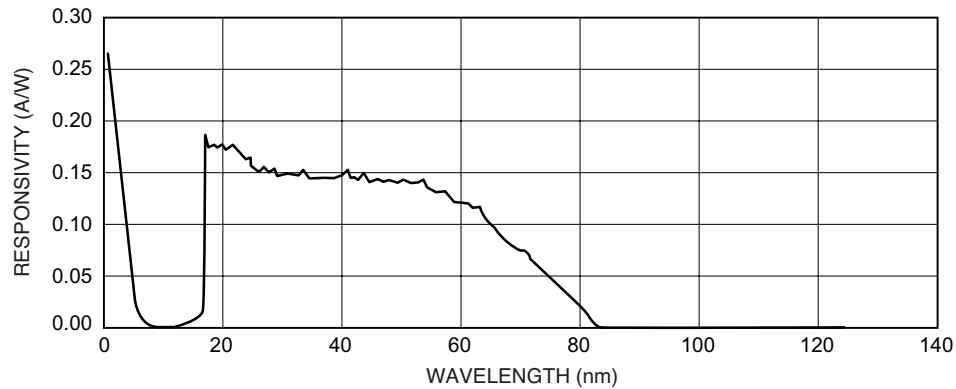
Parameters	Test Conditions	Min	Typ	Max	Units
Active Area	10 mm x 10 mm		100		mm <sup>2</sup>
Responsivity	@ 40 nm		0.15		A/W
Shunt Resistance, R <sub>sh</sub>	@ ±10 mV	20			Ohms
Reverse Breakdown Voltage, V <sub>R</sub>	1 <sub>R</sub> = 1 µA	5	10		Volts
Capacitance, C	V <sub>R</sub> = 0 V		10	44	nF

#### Thermal Parameters

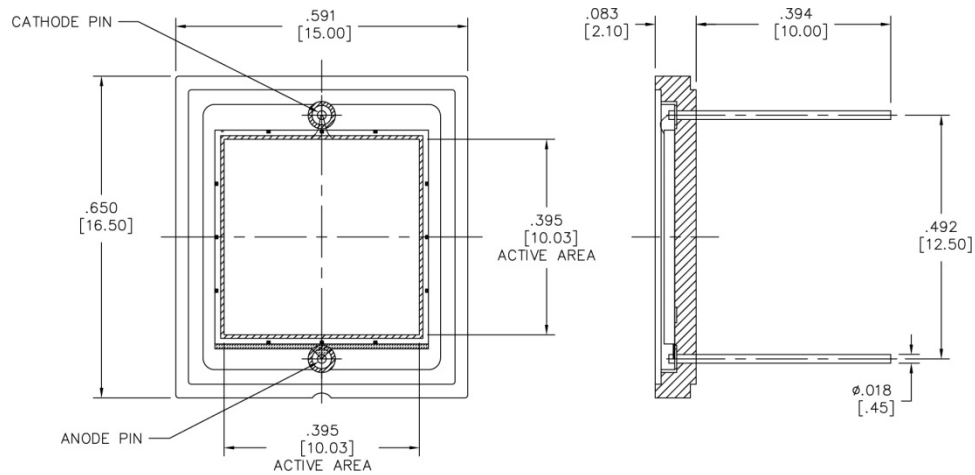
Storage and Operating Temperature Range	Units
Ambient	−10° to 40°C
Nitrogen or Vacuum	−20 to 80°C
Lead Soldering Temperature*	260°C

\*0.080" from case for 10 seconds.

**Typical Responsivity at 25°C**



**Package Information**



Dimensions are in inch [metric] units.

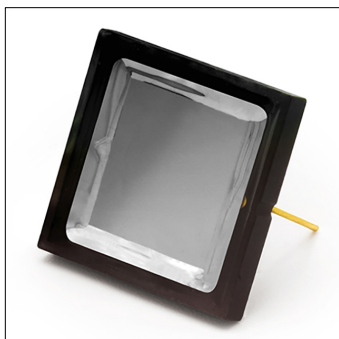
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#### FEATURES

- 100 mm<sup>2</sup> Square Active Area
- Responsivity @ 13.5 nm 0.09 A/W
- Detection Range 12 nm to 18 nm
- Shipped with Protective Cover

#### Electro-Optical Characteristics at 25°C

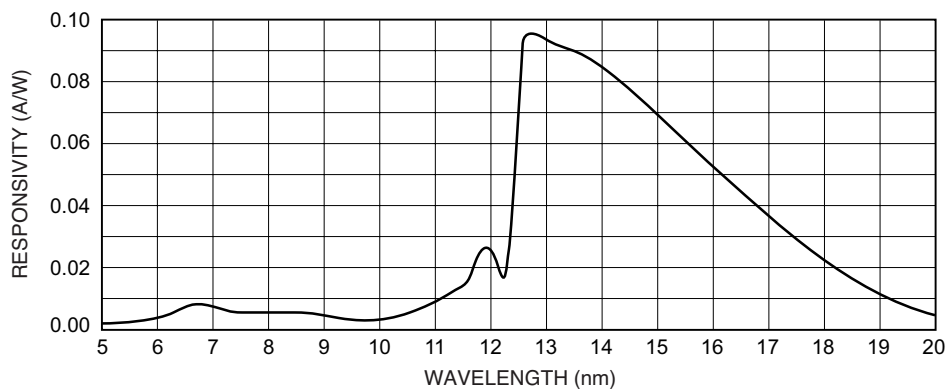
Parameters	Test Conditions	Min	Typ	Max	Units
Active Area	10 mm x 10 mm		100		mm <sup>2</sup>
Responsivity	@ 13.5 nm	0.08	0.09	0.1	A/W
Dark Current	V <sub>R</sub> = 15 V		8	25	nA
Reverse Breakdown Voltage, V <sub>R</sub>	I <sub>R</sub> = 1 µA	25			Volts
Capacitance, C	V <sub>R</sub> = 0 V	0.8	1	1.2	nF
Capacitance, C	V <sub>R</sub> = 12 V	220	260	350	pF
Response Time, tr	RL = 50 Ω, V <sub>R</sub> = 12 V		30		nsec

#### Thermal Parameters

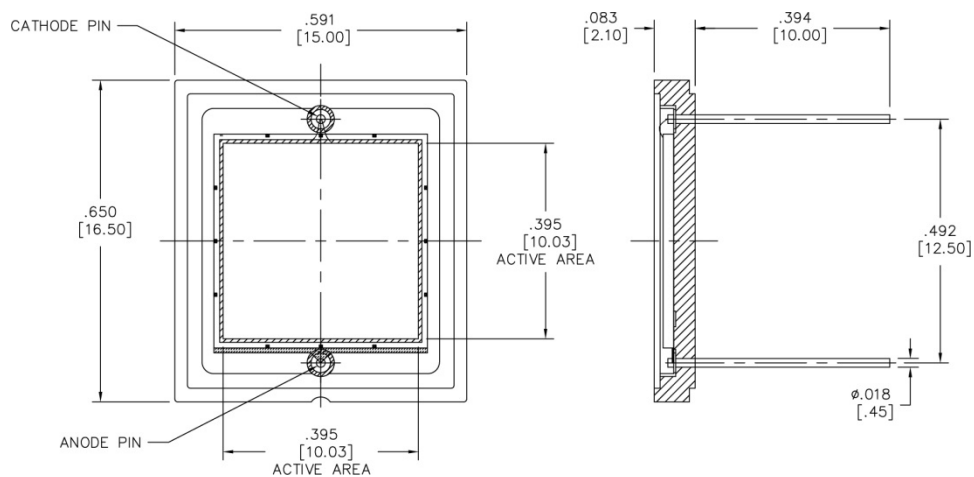
Storage and Operating Temperature Range	Units
Ambient	-10° to 40°C
Nitrogen or Vacuum	-20 to 80°C
Lead Soldering Temperature*	260°C

\*0.080" from case for 10 seconds.

### Typical Responsivity at 25°C



### Package Information



Dimensions are in inch [metric] units.

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