

**Fast Response**  
**Small Size**



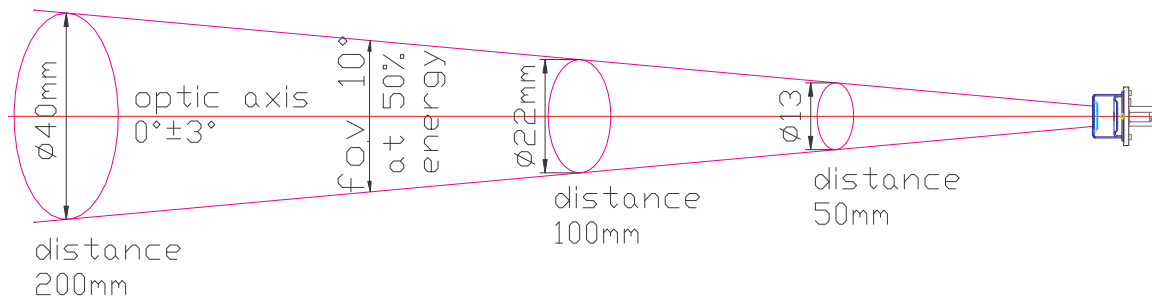
## Datasheet HEIMANN Sensor Integrated Module with Lens Optics - Type HTIA-E

General information about HTIA models are described in "Datasheet HEIMANN Sensor Integrated Module HTIA" .

### Field of View - Data

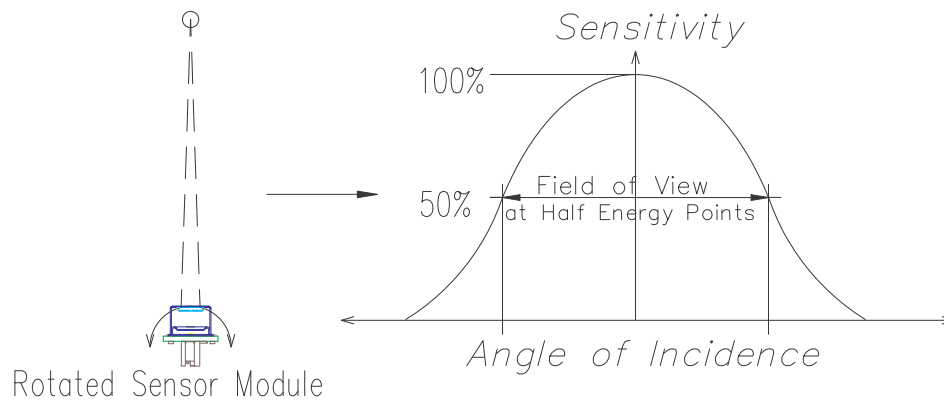
parameter	limits			unit	conditions
	Min	Typ	Max		
field of view	8	10	12	degree	50% energy points

### Field of View - Drawing



### Field of View – Definition and Test Procedure

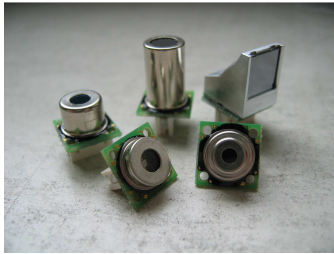
Pulsed Point Radiation Source



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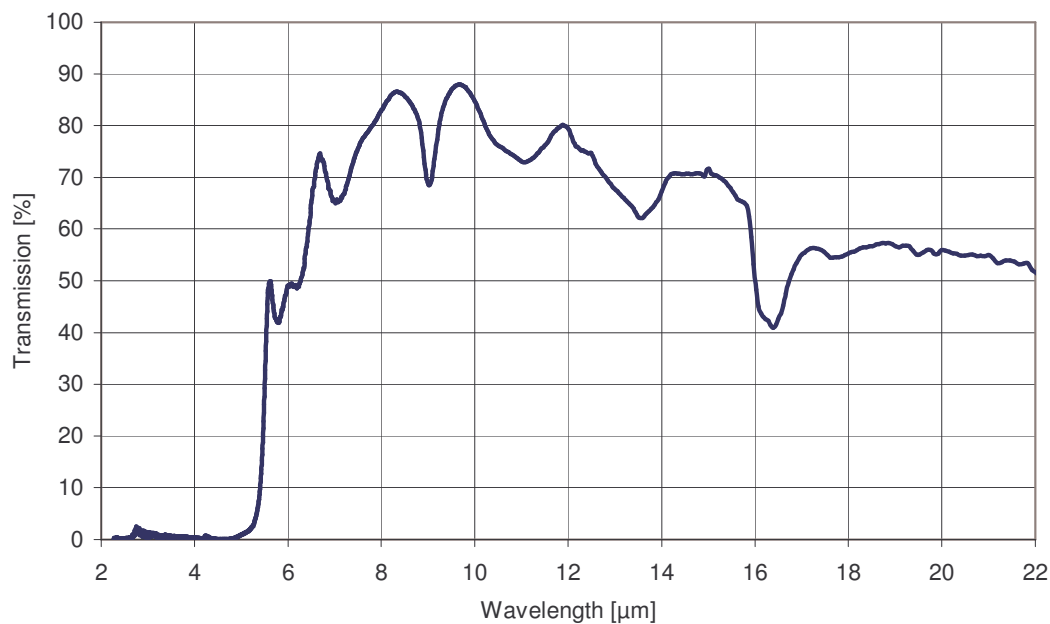
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### Filter Specification

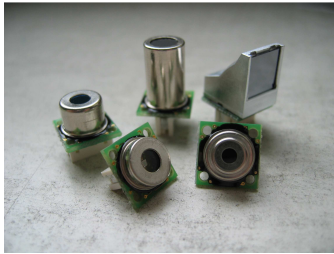
<i>parameter</i>	<i>minimum</i>	<i>typical</i>	<i>maximum</i>
Cut on wavelength	5.2 $\mu\text{m}$	5.5 $\mu\text{m}$	5.8 $\mu\text{m}$
Average transmission from 7.5 $\mu\text{m}$ to 13.5 $\mu\text{m}$	70%		
Average transmission from visual to 5 $\mu\text{m}$			0.5%



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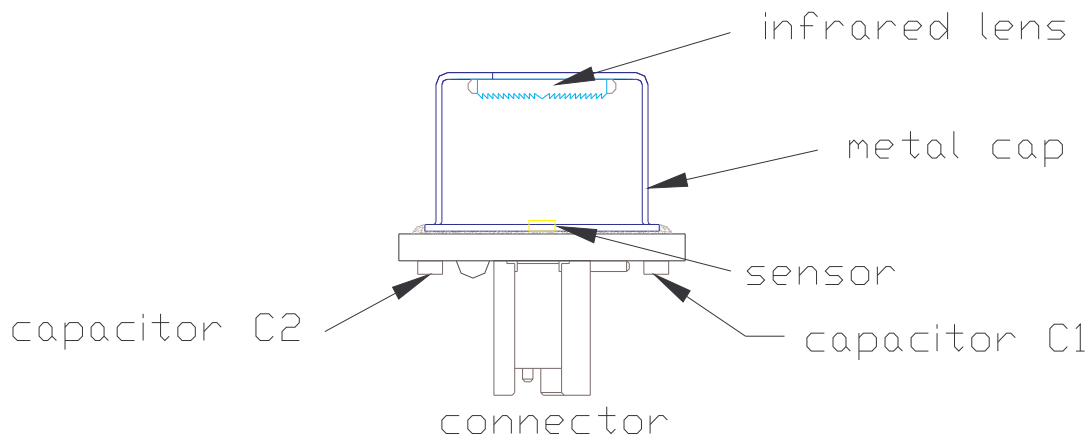


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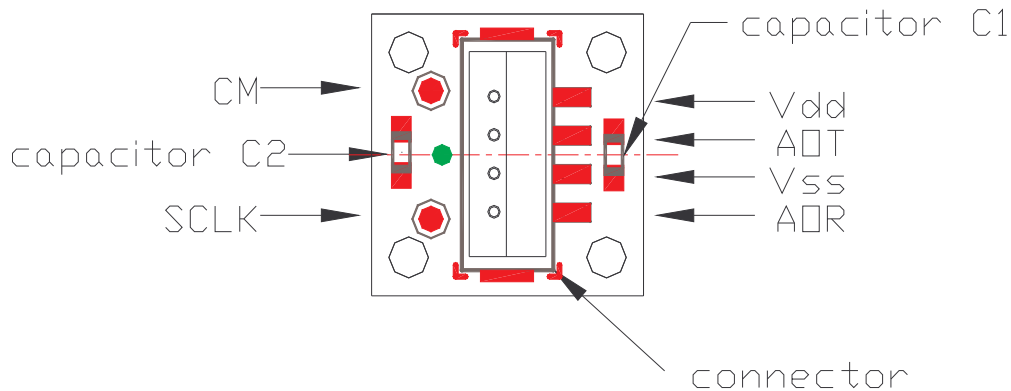


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### Mounting Arrangement



### Pin / Device Configuration



- Vdd : -> Positive supply voltage (+5V)  
 Vss : -> Negative supply voltage (Ground, 0V)  
 AOT: -> Analog sensor output voltage  
 AOR: -> Analog temperature reference output  
 CM, SCLK : -> Digital, programming, adjustments  
 C1: -> optional capacitor connected to Vdd and Vss  
 C2: -> optional capacitor for additional low pass filtering

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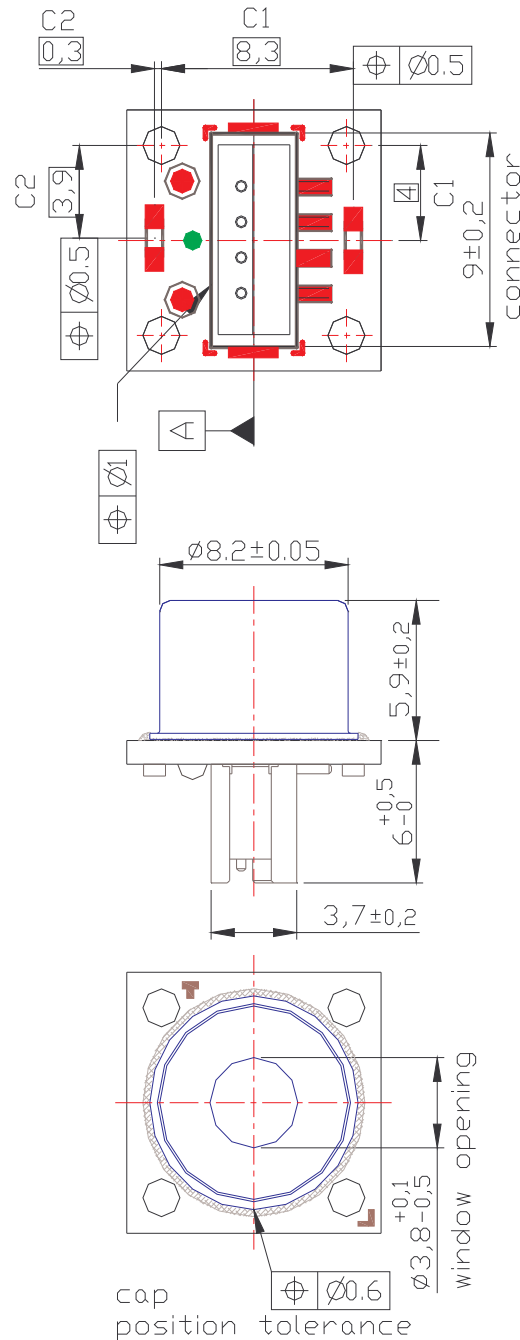


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### Dimensional Drawing HTIA-E



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