

Product Search Data Sheet

IRA-S500ST01A01

In Production Recommended RoHS REACH

### Applications

Unsuitable	Please be sure to read and comply with	
Applications	these "Precautions for use."	
	Consumer equipment	
	Please refer to Our Website and	
	specifications, etc. for information about	
Specific	the performance, functions, quality,	
	management, and safety required for	
Applications	the above applications, and use	
	Products after confirming the	
	performance and reliability of the actual	
	Product.	
Recommended	Intrusion detection, Security Equipment,	
Applications	Light	

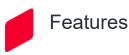
Note: If you have not downloaded this document from our official website, please note that the information provided may not be the most current.

Please download the latest datasheet of IRA-S500ST01A01 from the official website of Murata

http://www.murata.com/en-gb/products/productdetail?partno=IRA-S500ST01A01

### Packaging Information

Packaging		Standard Packing Quantity
-	Box	100

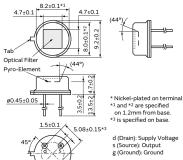


Excellent Sensitivity & S/N ratio (Signal/Noise) Excellent Quality Excellent EMC



## Appearance & Shape





(in mm)

1 of 3

#### Attention

1. This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, it's specifications are subject to change or our products in it may be discontinued

without advance notice. Please check with our sales representatives or product engineers before ordering.

2. This datasheet has only typical specifications because there is no space for detailed specifications.

Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.





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### Specifications

Shape	Lead
Dimensions	TO-5(φ9.2x4.7mm)
Output Type	Analog
Electrode	(1.0x1.0mm)x4
Responsivity(typ.)	3.3mV
Supply Voltage Range	2V to 15V
Field of View	theta1=theta2=44deg.
Operating Temperature Range	-40°C to 70°C
Storage Temperature Range	-40°C to 85°C

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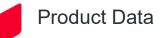


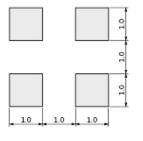
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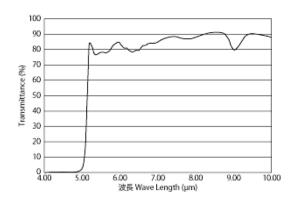
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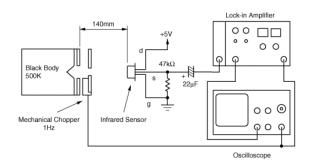




(in mm)



### Pyroelectric Elements(Electrode Dimension)



#### Test system of Responsivity

**Optical Filter characteristics** 

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