

IRA-S500ST01A01

In Production

Recommended

RoHS

REACH

Applications

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

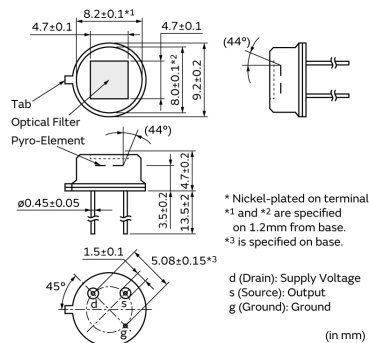
Packaging Information

Packaging	Specifications	Standard Packing Quantity
-	Box	100

Features

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

Appearance & Shape



Attention

1. This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, its 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(ϕ 9.2x4.7mm)
Output Type	Analog
Electrode	(1.0x1.0mm)x4
Responsivity(typ.)	3.3mV
Supply Voltage Range	2V to 15V
Field of View	$\theta_1=\theta_2=44\text{deg.}$
Operating Temperature Range	-40°C to 70°C
Storage Temperature Range	-40°C to 85°C

Attention

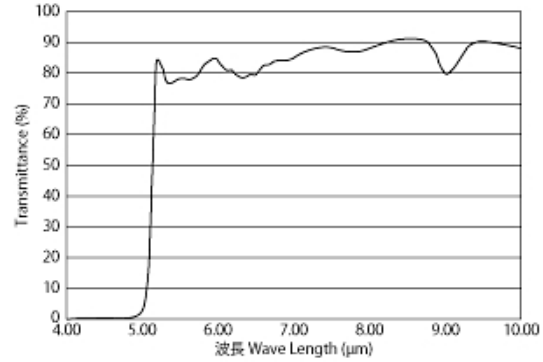
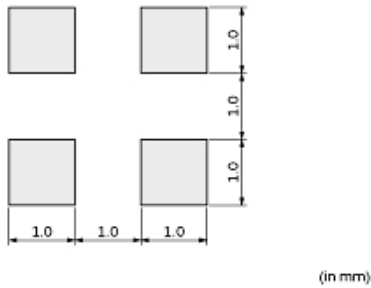
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Product Data



Pyroelectric Elements(Electrode Dimension)

Optical Filter characteristics



Test system of Responsivity

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