

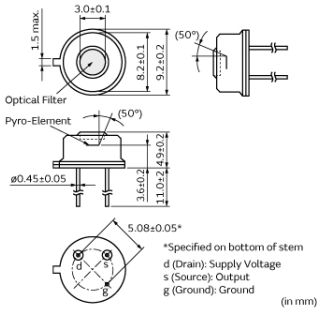
# IRA-E420SW1

Discontinued

RoHS

REACH

## Appearance & Shape



## Packaging Information

Packaging	Specifications	Standard Packing Quantity
-	Box	100

## Features

Lead type

**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.

# IRA-E420SW1



## Specifications

Shape	Lead
Electrode	Dia. 1.8mm
Responsivity(typ.)	0.45mV
Supply Voltage Range	3V to 15V
Field of View	$\theta_1 = \theta_2 = 50^\circ$
Operating Temperature Range	-25°C to 70°C
Storage Temperature Range	-30°C to 100°C

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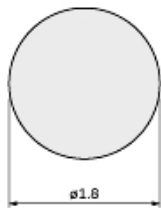
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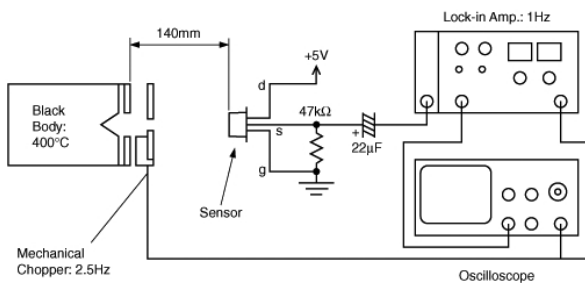
## Product Data

$\lambda_p$  :  $4.45 \pm 0.1 \mu\text{m}$   
 $\lambda_{1/2}$  :  $365 \pm 15 \text{nm}$   
 T max. : 85% or more  
 Material : Single Crystal Silicon  
 Thickness:  $0.50 \pm 0.05 \text{mm}$

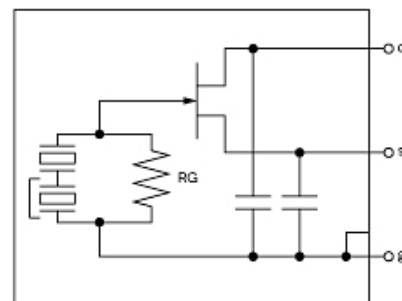


(in mm)

### Pyroelectric Element



### Filter characteristics



### Test system of Responsivity

### Circuit diagrams

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