

IRS-D200ST00R1

New **Recommended** ● In Production

IRS-D200ST00R1



Applications

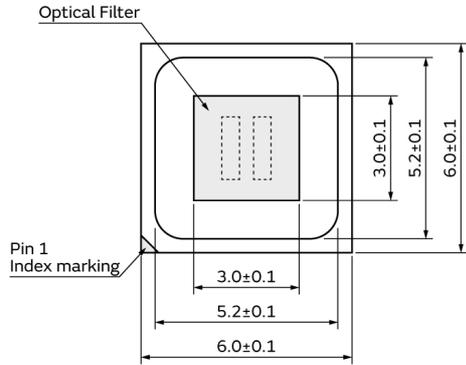
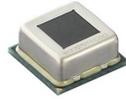
Unsuitable Applications	Please be sure to read and comply with these " Precautions for use ".
Specific Applications	<u>Consumer equipment</u> Please refer to Our Website and specifications, etc. for information about the performance, functions, quality, management, and safety required for the above applications, and use Products after confirming the performance and reliability of the actual Product.
Recommended Applications	IP Camera,Doorbell,Thermostat,Smart Home,LED Light,HVAC,IoT Equipment,Security Equipment,White Goods

Attention

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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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Appearance & Shape



(in mm)

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Specifications

Shape	SMD
Output Type	Digital
Electrode	(2.0x0.5mm)×2
Sensitivity	19.5mV0p
Current Consumption	8μA
Supply Voltage	1.8 ~ 3.3V
Field of View	X-axis=55°/Y-axis=42°
Operating Temperature	-25 ~ 85°C
Storage Temperature	-40 ~ 85°C
Dimensions	6.0x6.0x2.6mm

SMD TYPE IRS-D200ST00R1

Features

Small size, low-profile SMD type with high design flexibility
Reflow-available, saving process costs
Built-in amplifier and ADC, digital output (I2C) for easy design
Interrupt function contributes power consumption reduction

References

Packaging	Specifications 	Standard Packing Quantity
R1	Reel	2000

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Product Search Data Sheet
<https://pim.murata.com/en-eu/pim/details/?partNum=IRS-D200ST00R1>

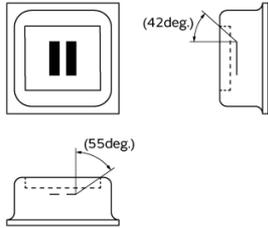
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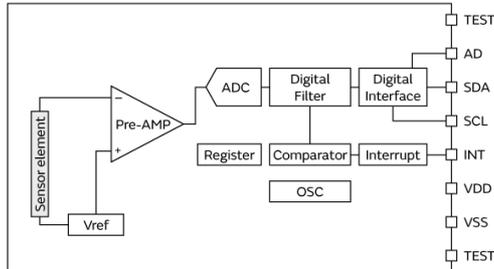
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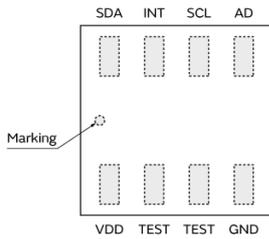
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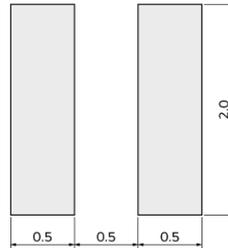
Field of View



Block diagram



Pin configuration



(in mm)

Pyroelectric Element(Electrode Dimension)

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