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Please download the latest datasheet of IRS-D200ST00R1 from the official website of Murata

http://www.murata.com/en-gb/products/productdetail?partno=IRS-D200ST00R1

IRS-D200ST00R1

In Production | Recommended | New | 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	IP Camera,Doorbell,Thermostat,Smart Home,LED Light,HVAC,IoT Equipment, Security Equipment,White Goods

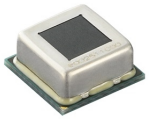
Packaging Information

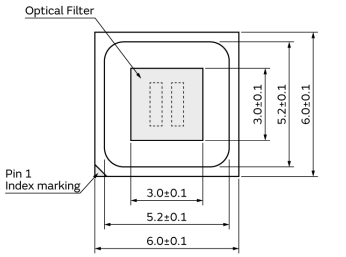
Packaging	Specifications	Standard Packing Quantity
R1	Reel	2000

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

Appearance & Shape





(in mm)

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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IRS-D200ST00R1

Specifications

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

SMD TYPE IRS-D200ST00R1

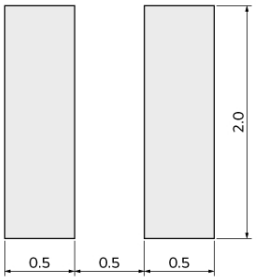
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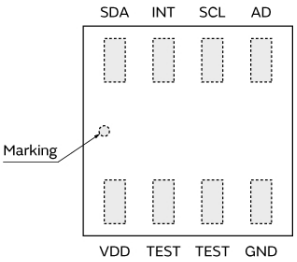
IRS-D200ST00R1

Product Data

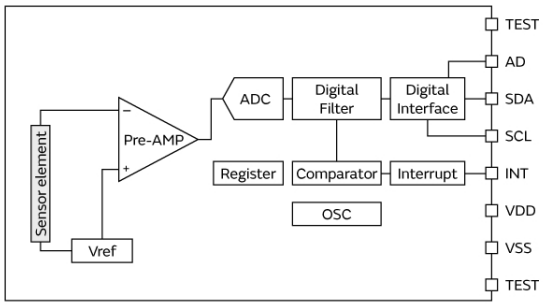


(in mm)

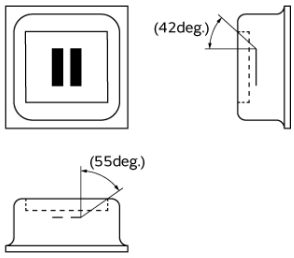
Pyroelectric Element(Electrode Dimension)



Pin configuration



Block diagram



Field of View

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