

### Product Search Data Sheet

Note: This datasheet may be out of date.

Please download the latest datasheet of IRS-B345ST03-R1 from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-sg/products/productdetail?partno=IRS-B345ST03-R1

# IRS-B345ST03-R1



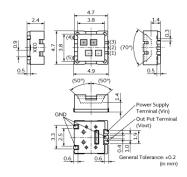






### Appearance & Shape







## **Packaging Information**

| Packaging | Specifications | Standard<br>Packing<br>Quantity |
|-----------|----------------|---------------------------------|
| R1        | Reel           | 2000                            |



### **Features**

SMD type

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#### Attention

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- $2. This \ data{sheet has only typical specifications because there is no \ space for \ detailed \ specifications.}$
- Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.





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# **Specifications**

| Shape                          | SMD                         |  |
|--------------------------------|-----------------------------|--|
| Electrode                      | (0.8x0.7mm)x4               |  |
| Responsivity(typ.)             | 3.6mV                       |  |
| Supply Voltage Range           | 2V to 15V                   |  |
| Field of View                  | theta1=70deg.,theta2=50deg. |  |
| Operating Temperature<br>Range | -40°C to 70°C               |  |
| Storage Temperature Range      | -40°C to 85°C               |  |

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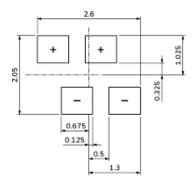
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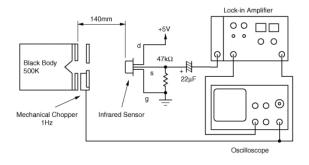
### **Product Data**



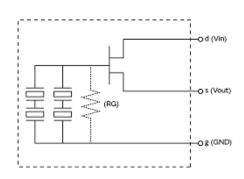
### 100 Transmission Ratio (%) 70 60 50 40 30 20 10 4500 4000 3500 3000 2500 2000 1750 1500 1250 1000 750 500 Wave Number (cm-1)

(in mm)

### Pyroelectric Element



Filter characteristics



Test system of Responsivity

Circuit diagrams

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