

# 53020C

In Production

RoHS

## Applications

|                         |                                                                                                                                                                                                                                                                                                                  |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Unsuitable Applications | Please be sure to read and comply with these "Precautions for use."                                                                                                                                                                                                                                              |
| Specific Applications   | Consumer equipment, Industrial Equipment<br>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. |

## Appearance & Shape



**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.

# 53020C



## Specifications

|                                  |                                                                                                                                                                                                                                         |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Height (inch)                    | 0.213inch                                                                                                                                                                                                                               |
| Height (mm)                      | 5.4mm                                                                                                                                                                                                                                   |
| Width (mm)                       | 7.2mm                                                                                                                                                                                                                                   |
| Depth (mm)                       | 8.3mm                                                                                                                                                                                                                                   |
| Mounting Option                  | Surface Mount                                                                                                                                                                                                                           |
| Turns Ratio (Pri)                | 1                                                                                                                                                                                                                                       |
| Turns Ratio (Sec)                | 20                                                                                                                                                                                                                                      |
| Turns Ratio                      | 1 to 20                                                                                                                                                                                                                                 |
| Primary Current Rating (A)       | 10A                                                                                                                                                                                                                                     |
| Primary DC Resistance Max. (Ω)   | 7mΩ                                                                                                                                                                                                                                     |
| Secondary DC Resistance Max. (Ω) | 0.55Ω                                                                                                                                                                                                                                   |
| Isolation Voltage (V)            | 500Vrms                                                                                                                                                                                                                                 |
| Terminating Resistance (Ω)       | 20Ω                                                                                                                                                                                                                                     |
| Packaging style                  | Reel                                                                                                                                                                                                                                    |
| Package weight (g)               | 0.34g                                                                                                                                                                                                                                   |
| Package Qty.                     | 1000                                                                                                                                                                                                                                    |
| Short Description                | 10A Current Sensing Transformers designed to monitor AC currents. The transformers can be used for high frequency current sensing in applications such as switched-mode power supplies, motor control, and electronic lighting ballasts |

|                    |                                                                                                                                                                                                                                                           |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description        | 10A Current Sensing Transformers designed to monitor AC currents. The transformers can be used for high frequency current sensing in applications such as switched-mode power supplies, motor control, and electronic lighting ballasts                   |
| Series             | 5300                                                                                                                                                                                                                                                      |
| Series Headline    | 10A Current Sensing Transformers                                                                                                                                                                                                                          |
| Series Description | The 5300 series of current sense transformers are designed to monitor AC currents. The transformers can be used for high frequency current sensing in applications such as switched-mode power supplies, motor control, and electronic lighting ballasts. |

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