

# RCE7U2E681J1M1H03A

In Production

AEC-Q200

RoHS

REACH

125°C max.

Low acoustic noise

Deflecting crack

Soldering crack

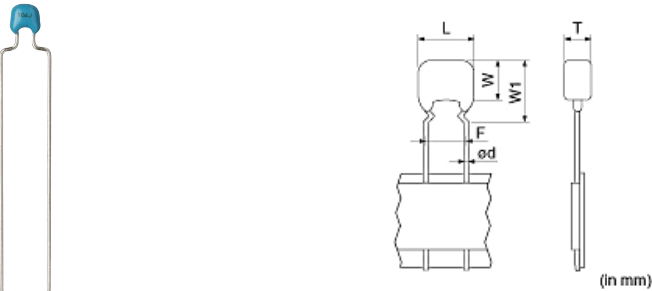
Flow OK

Welding

## Applications

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Unsuitable Applications | Please be sure to read and comply with these "Precautions for use."                                                                                                                                                                                                                                                                                                                                                   |
| Specific Applications   | Automotive powertrain/safety equipment, Automotive infotainment/comfort equipment,Medical equipment [GHTF A/B/C] except for implant 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



## Notices

Halogen-free Products

## References

| Packaging | Specifications | Standard Packing Quantity |
|-----------|----------------|---------------------------|
| A         | Ammo Pack      | 2000                      |

| Mass (typ.) |       |
|-------------|-------|
| 1 piece     | 0.11g |

**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.

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## Specifications

|                                                  |                                                                 |
|--------------------------------------------------|-----------------------------------------------------------------|
| L size or Outer diameter D                       | 4.0mm max.                                                      |
| Width                                            | 3.5mm max.                                                      |
| T size                                           | 3.15mm max.                                                     |
| Lead spacing F                                   | 5.0+0.6/-0.2mm                                                  |
| Lead diameter d                                  | 0.5±0.05mm                                                      |
| Capacitance                                      | 680pF ±5%                                                       |
| Rated voltage                                    | 250Vdc                                                          |
| Temperature characteristics                      | U2J(EIA)                                                        |
| Temperature range of temperature characteristics | -55°C to 125°C                                                  |
| Operating Temperature Range                      | -55°C to 125°C                                                  |
| TC                                               | -55 to 25°C: -750+120/-347ppm/°C    25 to 125°C: -750±120ppm/°C |
| W1 size                                          | 5.0mm max.                                                      |

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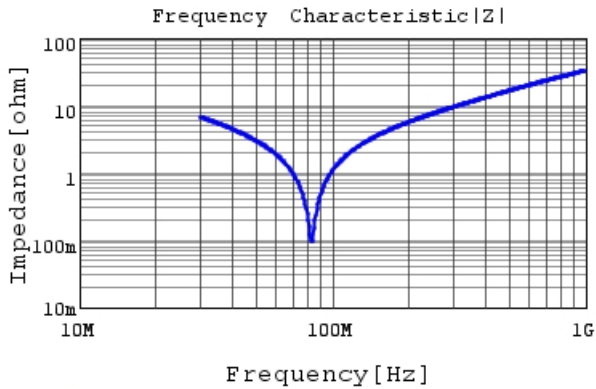
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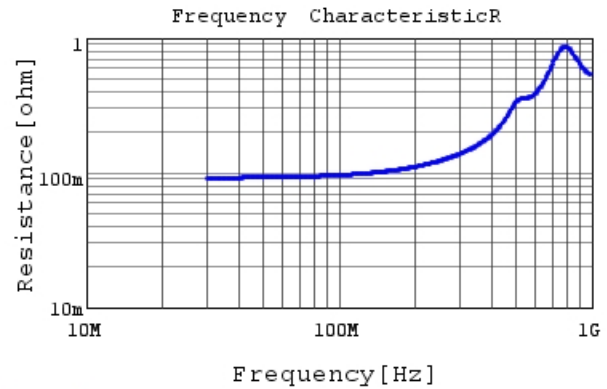


## Characteristic Data

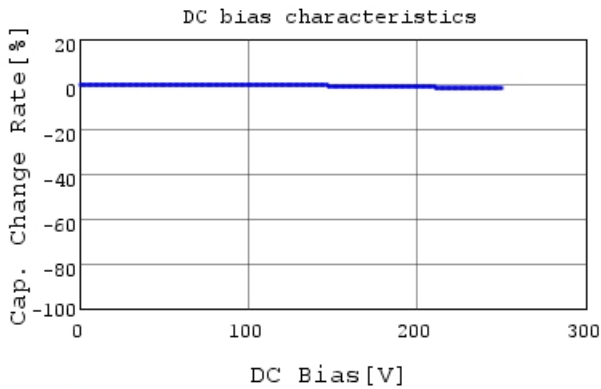
The charts below may show another part number which shares its characteristics.



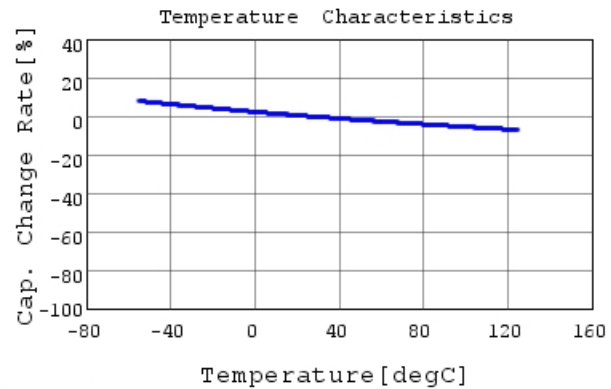
RCE7U2E681J1M1H03A |Z| DCOV, 25degC



RCE7U2E681J1M1H03A R DCOV, 25degC



RCE7U2E681J1M1H03A C-DC bias capchange, 25.0

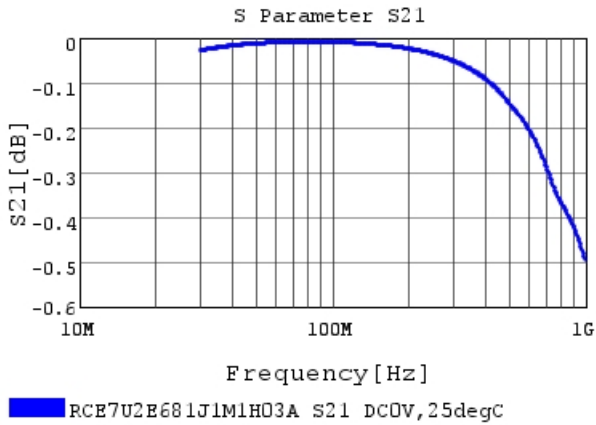


RCE7U2E681J1M1H03A C-Temp. capchange, DCOV,

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