

# GRM31C5C2A683JA01#

“#” at the end indicates the package specification code.



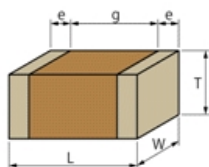
## < List of part numbers with package codes >

GRM31C5C2A683JA01L      GRM31C5C2A683JA01K

## Applications

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Unsuitable Applications | Please be sure to read and comply with these "Precautions for use."                                                                                                                                                                                                                                                                                                                                                                         |
| Specific Applications   | Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHF A/B/C] except for implant equipment, Automotive infotainment/comfort 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

Derating1

## References

| Packaging | Specifications    | Standard Packing Quantity |
|-----------|-------------------|---------------------------|
| L         | 180 Embossed Tape | 2000                      |
| K         | 330 Embossed Tape | 6000                      |

| Mass (typ.) |        |
|-------------|--------|
| 1 piece     | 38.0mg |

### Attention

1. This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, its 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.

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## Specifications

|                                                  |                |
|--------------------------------------------------|----------------|
| Length                                           | 3.2±0.2mm      |
| Width                                            | 1.6±0.2mm      |
| Thickness                                        | 1.6±0.2mm      |
| Capacitance                                      | 68000pF ±5%    |
| Distance between external terminals g            | 1.5mm min.     |
| External terminal size e                         | 0.3 to 0.8mm   |
| Operating Temperature Range                      | -55°C to 125°C |
| Rated Voltage                                    | 100Vdc         |
| Size code in inch(mm)                            | 1206 (3216M)   |
| TC                                               | 0±30ppm/°C     |
| Temperature characteristics (complied standard)  | C0G(EIA)       |
| Temperature range of temperature characteristics | 25°C to 125°C  |

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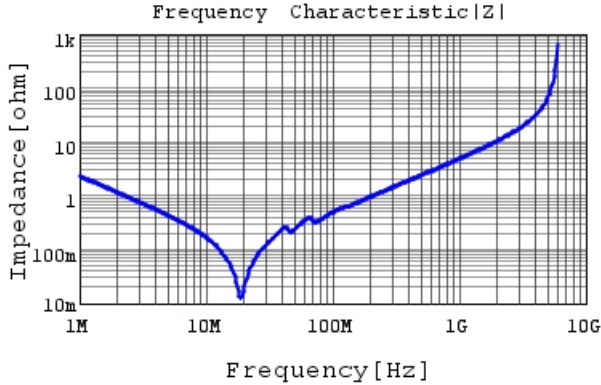
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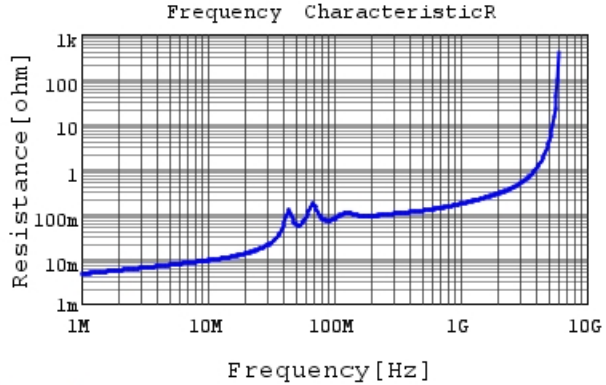


## Characteristic Data

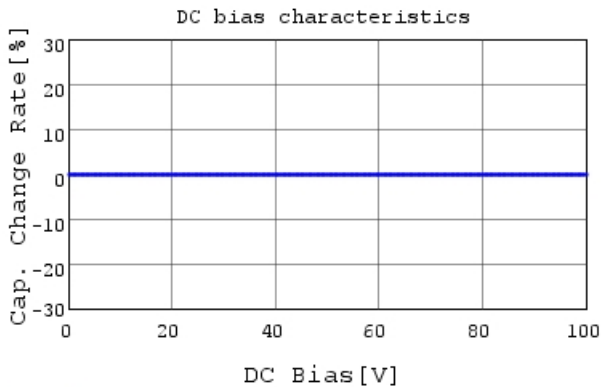
The charts below may show another part number which shares its characteristics.



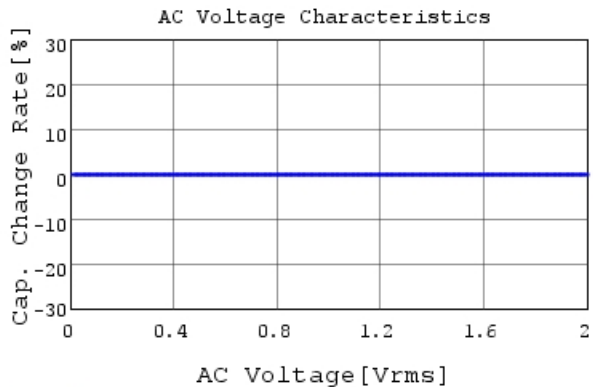
GRM31C5C2A683JA01 |Z| DCOV, 25degC



GRM31C5C2A683JA01 R DCOV, 25degC



GRM31C5C2A683JA01 C-DC bias capchange, 25.0C



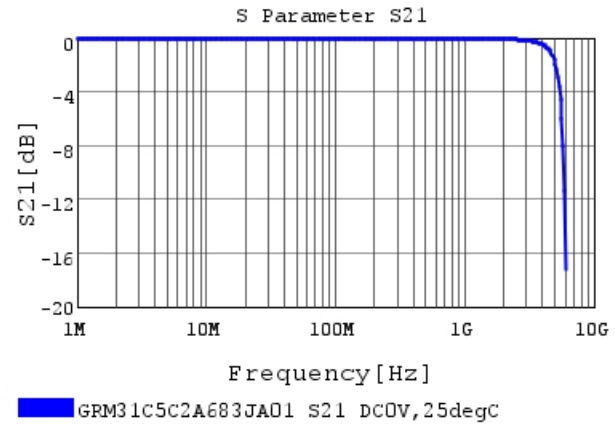
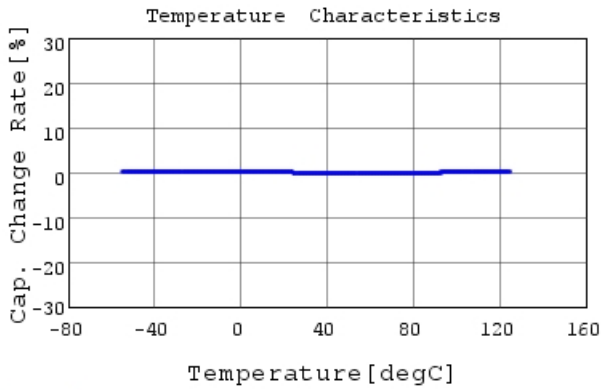
GRM31C5C2A683JA01 C-AC Voltage capchange, Dc

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