

GRM21BR71C105KA01#

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

● In Production

Chip Multilayer Ceramic Capacitors for Consumer Electronics & Industrial Equipment

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GRM21BR71C105KA01L, GRM21BR71C105KA01K

Applications

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

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. Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.

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Appearance & Shape



| | |
|--------------------------|---------------|
| Chip size code (mm/inch) | 2012M/0805 |
| Length | 2mm ±0.1mm |
| Width | 1.25mm ±0.1mm |
| Thickness | 1.25mm ±0.1mm |
| External terminal size€ | 0.2 ~ 0.7mm |

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Specifications

| | |
|--|-------------|
| Temperature characteristics (complied standard) | EIA |
| Temperature characteristics | X7R |
| Temperature range of temperature characteristics | -55 ~ 125°C |
| Operating Temperature | -55 ~ 125°C |
| Capacitance | 1μF |
| Tolerance of capacitance | ±10% |
| Rated Voltage DC | 16Vdc |

References

| Packaging | Specifications  | Standard Packing Quantity |
|-----------|--|---------------------------|
| L | φ180mm Reel W8P4* Embossed Tape | 3000 |
| K | φ330mm Reel W8P4* Embossed Tape | 10000 |

| Mass(Typ.) | |
|------------|------|
| 1 piece | 17mg |

Attention

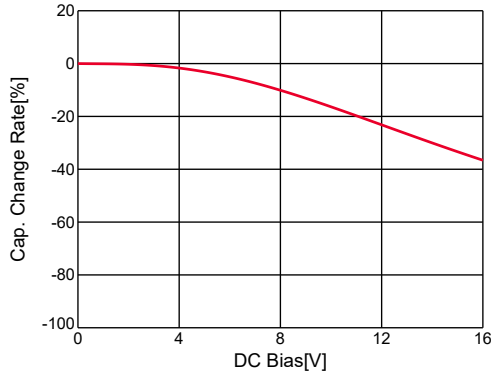
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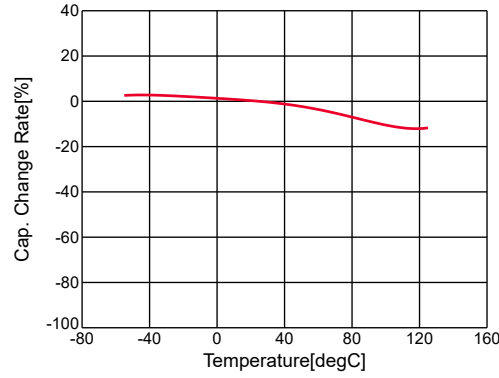
Basic

C-DC bias(Cap Change)



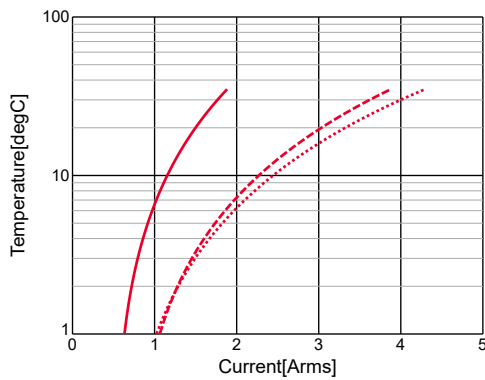
GRM21BR71C105KA01#,C-DC bias,capchange, 25.0degC, AC1.0Vrms

C-Temp.(Cap Change)



GRM21BR71C105KA01#,C-Temp.,capchange, DC0.0V, AC1.0Vrms

Temp.rise



GRM21BR71C105KA01#,Temp.rise

- 100kHz
- 500kHz
- 1MHz

Attention

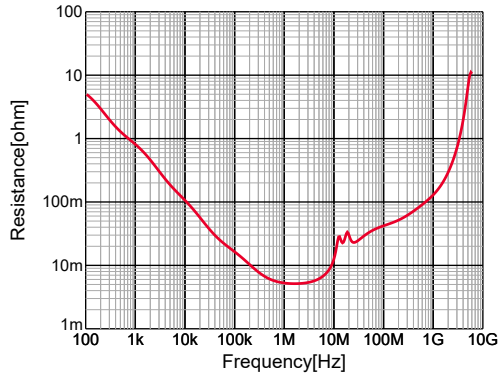
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Frequency Characteristic

R



GRM21BR71C105KA01#,R,DC0V,25degC

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