

# GCM21BR71H105KA03#

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



## < List of part numbers with package codes >

GCM21BR71H105KA03L      GCM21BR71H105KA03K

## Applications

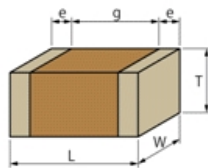
|                         |  |
|-------------------------|--|
| Unsuitable Applications | Please be sure to read and comply with these "Precautions for use."  |
| Specific Applications   | Automotive powertrain/safety equipment, Automotive infotainment/comfort equipment, Medical equipment [GHTF A/B/C]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

## References

| Packaging | Specifications    | Standard Packing Quantity |
|-----------|-------------------|---------------------------|
| L         | 180 Embossed Tape | 3000                      |
| K         | 330 Embossed Tape | 10000                     |

| Mass (typ.) |        |
|-------------|--------|
| 1 piece     | 17.0mg |

## Appearance & Shape



**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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## Specifications

|  |                |
|--|----------------|
| Length   | 2.0±0.15mm     |
| Width  | 1.25±0.15mm    |
| Thickness  | 1.25±0.15mm    |
| Capacitance                                      | 1.0μF ±10%     |
| Distance between external terminals g            | 0.7mm min.     |
| External terminal size e                         | 0.2 to 0.7mm   |
| Operating Temperature Range                      | -55°C to 125°C |
| Rated Voltage                                    | 50Vdc          |
| Size code in inch(mm)                            | 0805 (2012M)   |
| Capacitance change rate                          | ±15.0%         |
| Temperature characteristics (complied standard)  | X7R(EIA)       |
| Temperature range of temperature characteristics | -55°C to 125°C |

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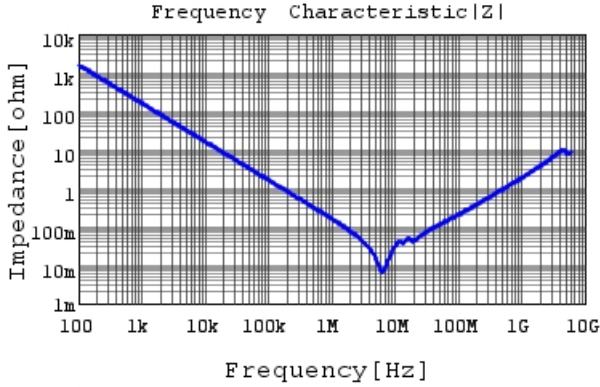
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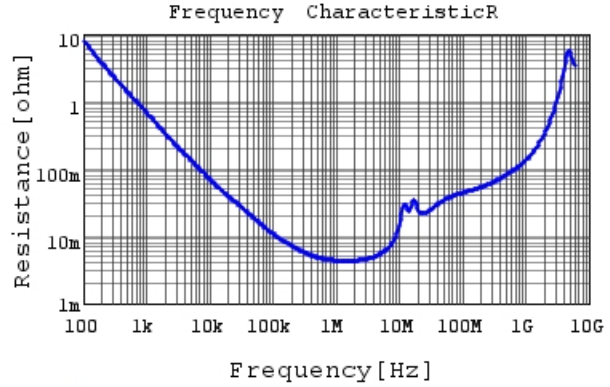


## Characteristic Data

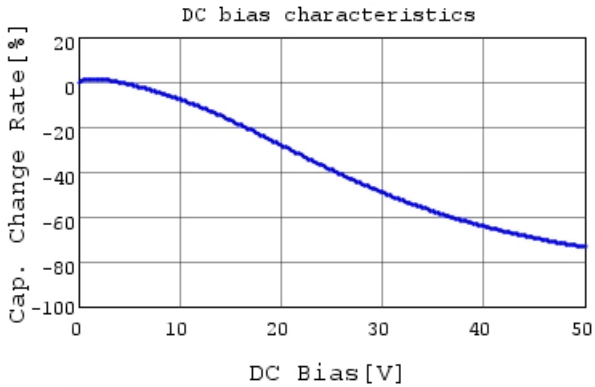
The charts below may show another part number which shares its characteristics.



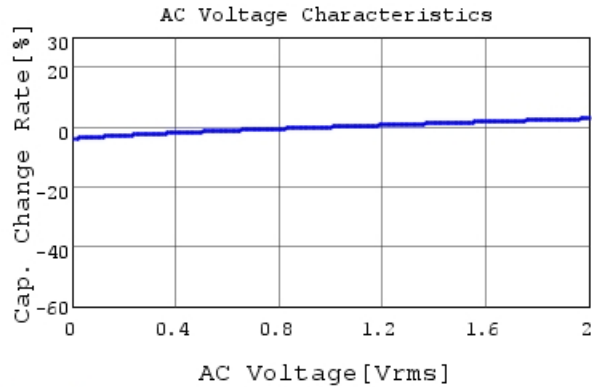
GCM21BR71H105KA03 |Z| DCOV, 25degC



GCM21BR71H105KA03 R DCOV, 25degC



GCM21BR71H105KA03 C-DC bias capchange, 25.0c



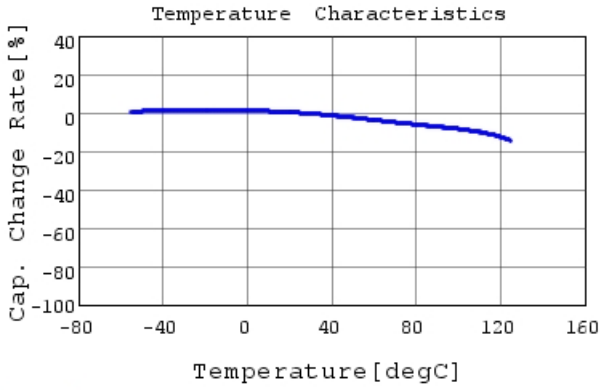
GCM21BR71H105KA03 C-AC Voltage capchange, DC

**Attention**

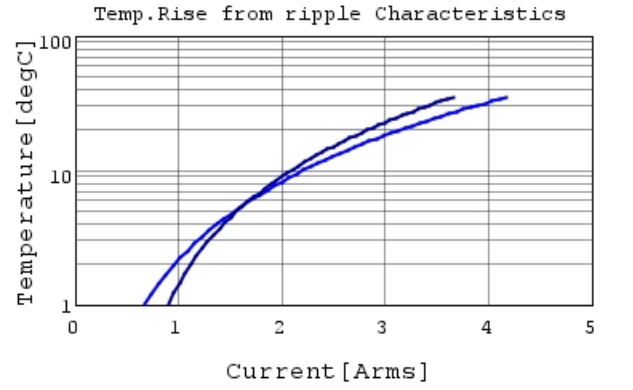
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GCM21BR71H105KA03 C-Temp. capchange, DC0.0V,



GCM21BR71H105KA03 Temp.rise — 500kHz

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