

# GRM188B31H105KAAL#

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



## < List of part numbers with package codes >

GRM188B31H105KAALD

GRM188B31H105KAALJ

## Applications

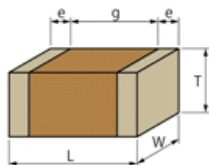
|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Unsuitable Applications | Please be sure to read and comply with these "Precautions for use."                                                                                                                                                                                                                                                                                                                                                                          |
| Specific Applications   | Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF 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. |

## References

| Packaging | Specifications         | Standard Packing Quantity |
|-----------|------------------------|---------------------------|
| D         | φ180mm Reel Paper Tape | 4000                      |
| J         | φ330mm Reel Paper Tape | 10000                     |

| Mass (typ.) |       |
|-------------|-------|
| 1 piece     | 6.3mg |

## 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.

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## Specifications

|                                                  |               |
|--------------------------------------------------|---------------|
| Length                                           | 1.6±0.1mm     |
| Width                                            | 0.8±0.1mm     |
| Thickness                                        | 0.8±0.1mm     |
| Capacitance                                      | 1.0μF ±10%    |
| Distance between external terminals g            | 0.5mm min.    |
| External terminal size e                         | 0.2 to 0.5mm  |
| Operating Temperature Range                      | -25°C to 85°C |
| Rated Voltage                                    | 50Vdc         |
| Size code in inch(mm)                            | 0603 (1608M)  |
| Capacitance change rate                          | ±10.0%        |
| Temperature characteristics (complied standard)  | B(JIS)        |
| Temperature range of temperature characteristics | -25°C to 85°C |

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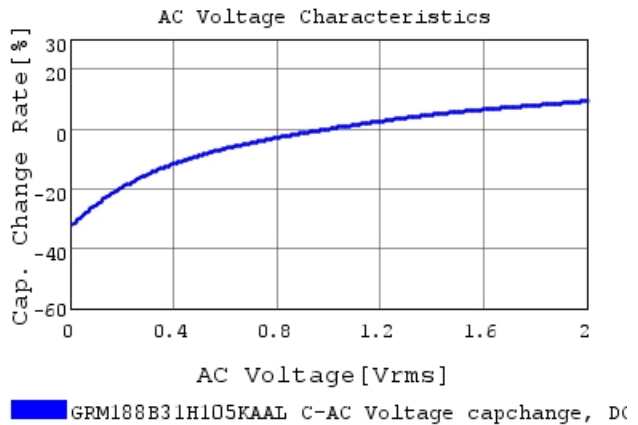
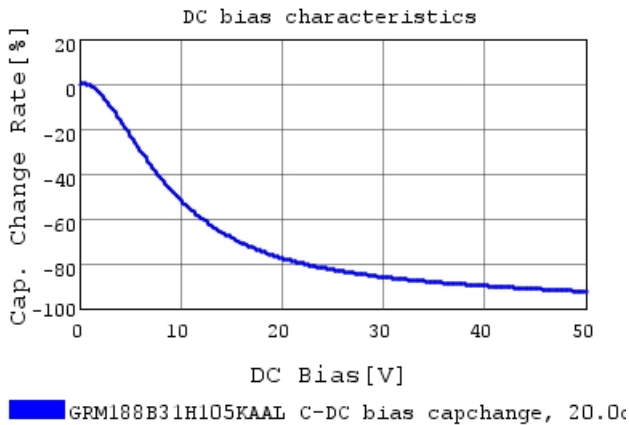
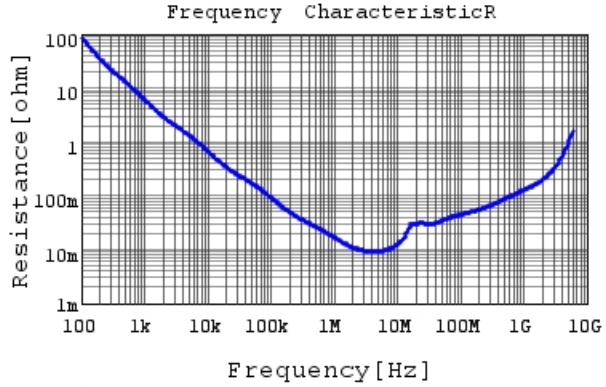
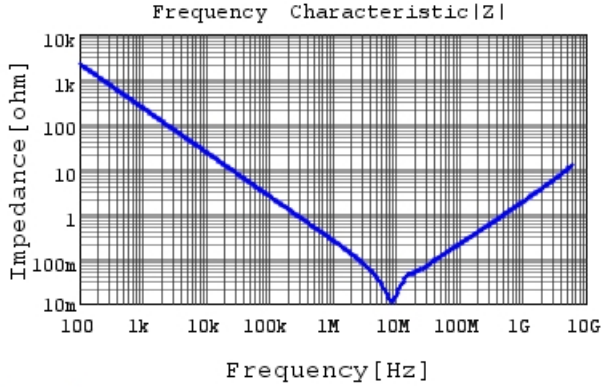
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## Characteristic Data

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

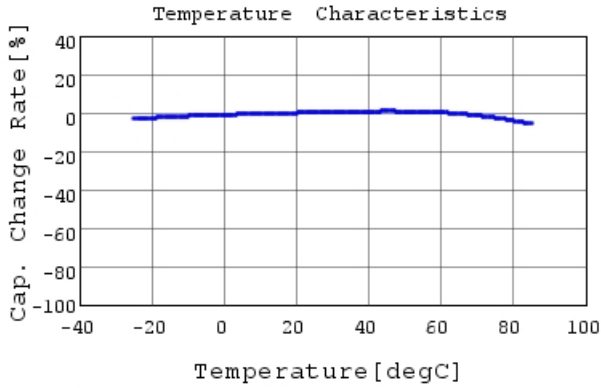


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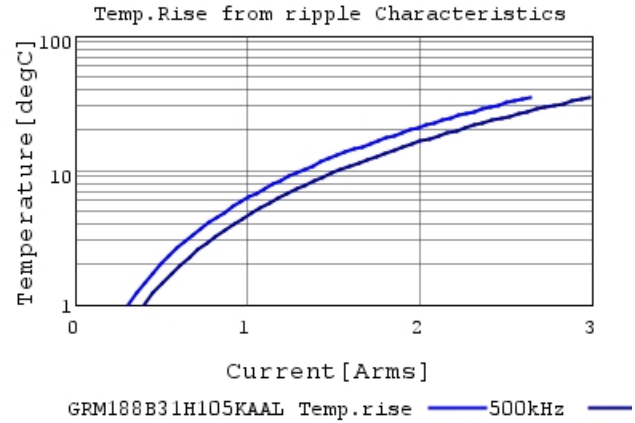
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GRM188B31H105KAAL C-Temp. capchange, DC0.0V,



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