

# GRM033B31E103MA12#

“#” indicates a package specification code.



## < List of part numbers with package codes >

GRM033B31E103MA12D

GRM033B31E103MA12W

GRM033B31E103MA12J

## Appearance & Shape



## References

| Packaging | Specifications          | Standard Packing Quantity |
|-----------|-------------------------|---------------------------|
| D         | 180mm Paper Tape        | 15000                     |
| W         | 180mm Paper Tape (W8P1) | 30000                     |
| J         | 330mm Paper Tape        | 50000                     |

| Mass (typ.) |        |
|-------------|--------|
| 1 piece     | 0.33mg |
| φ180mm Reel | 118g   |

## Notices

Derating1

### 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.
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## Specifications

|  |               |
|--|---------------|
| Length   | 0.6±0.03mm    |
| Width  | 0.3±0.03mm    |
| Thickness  | 0.3±0.03mm    |
| Capacitance                                      | 10000pF ±20%  |
| Distance between external terminals g            | 0.2mm min.    |
| External terminal size e                         | 0.1 to 0.2mm  |
| Operating Temperature Range                      | -25°C to 85°C |
| Rated Voltage                                    | 25Vdc         |
| Size code in inch(mm)                            | 0201 (0603M)  |
| 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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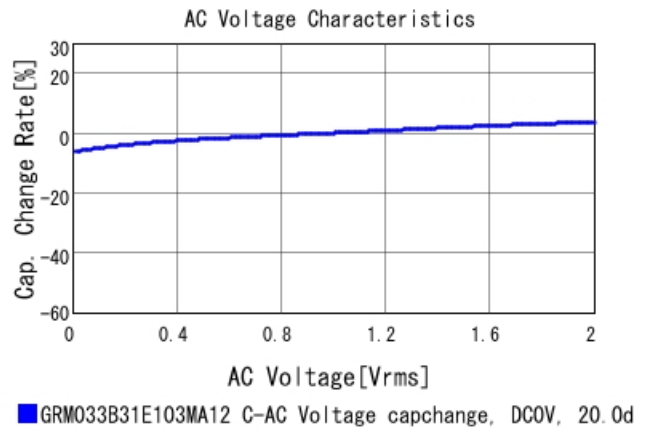
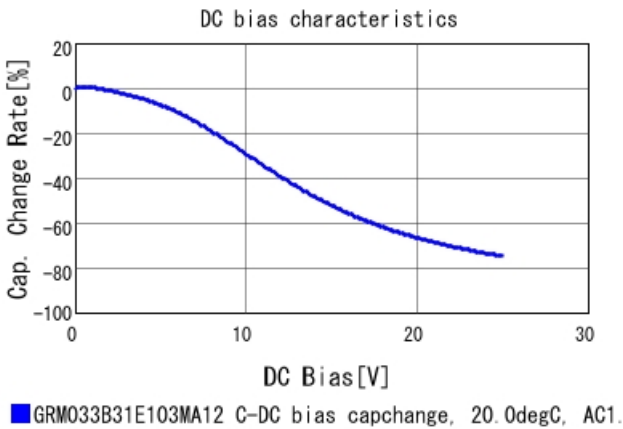
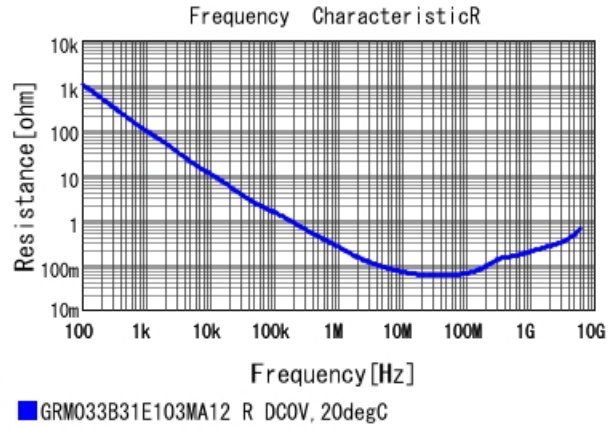
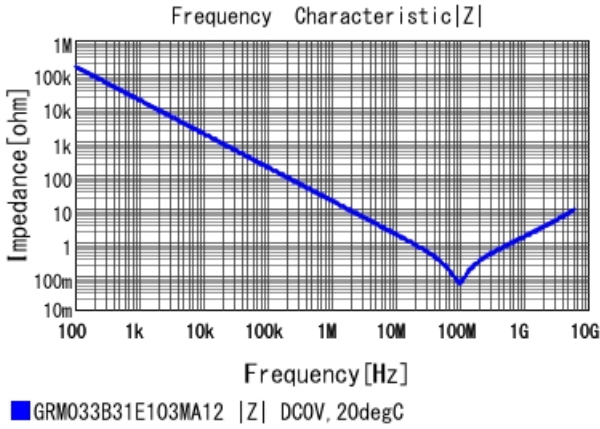
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## Characteristic Data

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

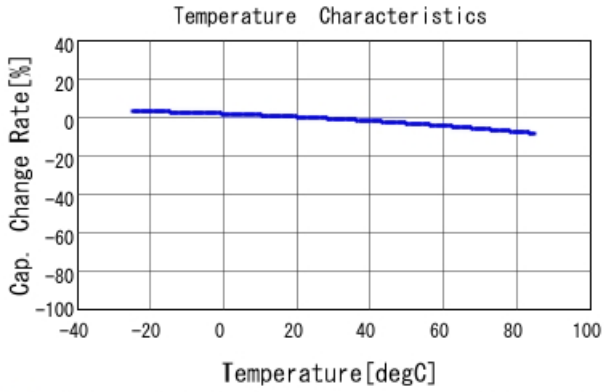


**Attention**

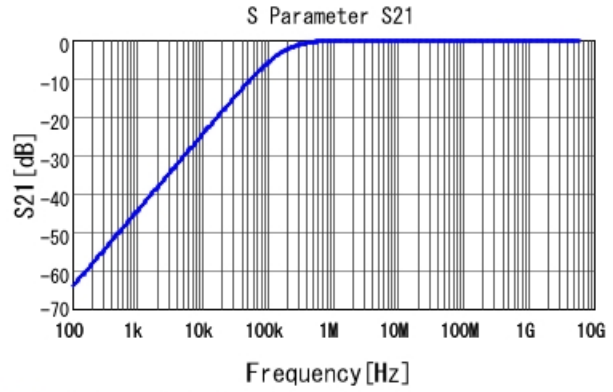
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■ GRM033B31E103MA12 C-Temp. capchange, DCO. 0V, AC1. 0Vrm



■ GRM033B31E103MA12 S21 DCOV, 20degC

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