

GRM21BB31H475KE51#

"#" indicates a package specification code.



< List of part numbers with package codes >
GRM21BB31H475KE51L , GRM21BB31H475KE51K

Shape

| | |
|---------------------------------------|---------------|
| | |
| L size | 2.0 ± 0.15mm |
| W size | 1.25 ± 0.15mm |
| T size | 1.25 ± 0.15mm |
| External terminal width e | 0.2 to 0.7mm |
| Distance between external terminals g | 0.7mm min. |
| Size code in inch(mm) | 0805 (2012) |

References

| Packaging | Specifications | Minimum quantity |
|-----------|-----------------------|------------------|
| L | 180mm Embossed taping | 3000 |
| K | 330mm Embossed taping | 10000 |

| Mass (typ.) | |
|-------------|------|
| 1 piece | 19mg |
| 180mm Reel | 108g |

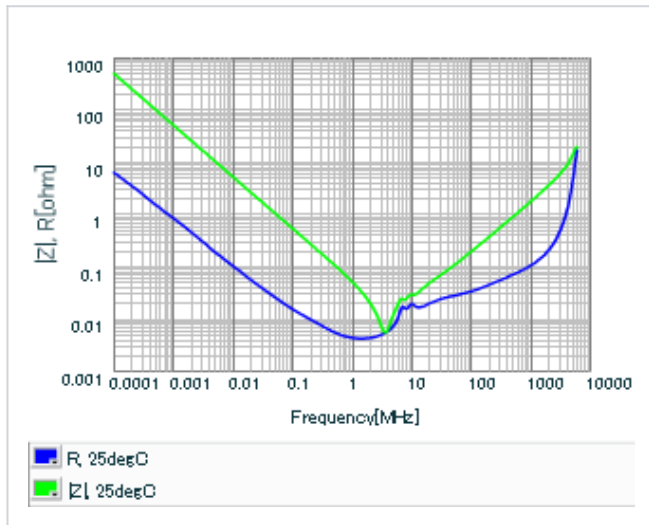
Specifications

| | |
|--|-------------|
| Capacitance | 4.7µF ± 10% |
| Rated voltage | 50Vdc |
| Temperature characteristics (complied standard) | B(JIS) |
| Capacitance change rate | ± 10.0% |
| Temperature range of temperature characteristics | -25 to 85 |
| Operating temperature range | -25 to 85 |

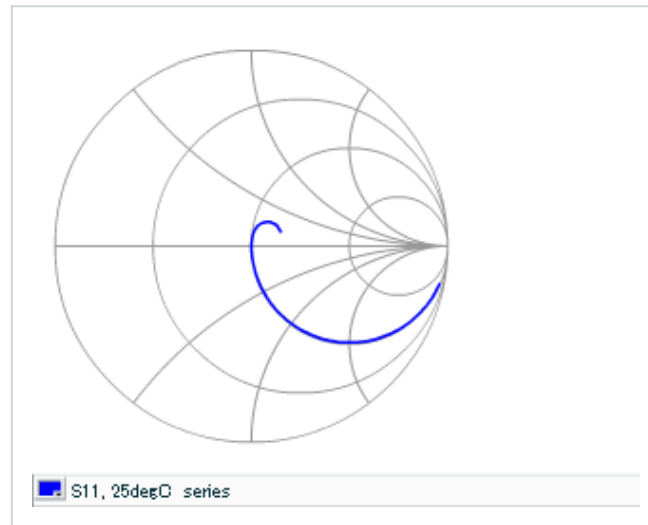
⚠ Attention

- 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.
- 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.

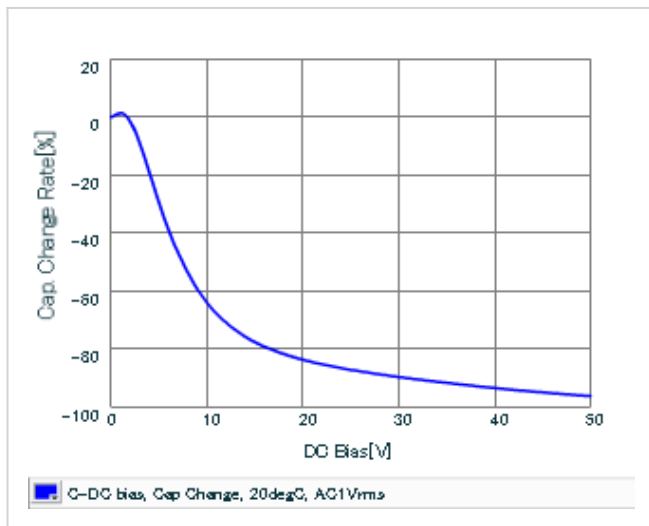
▪ Frequency characteristics (ESR, Impedance)



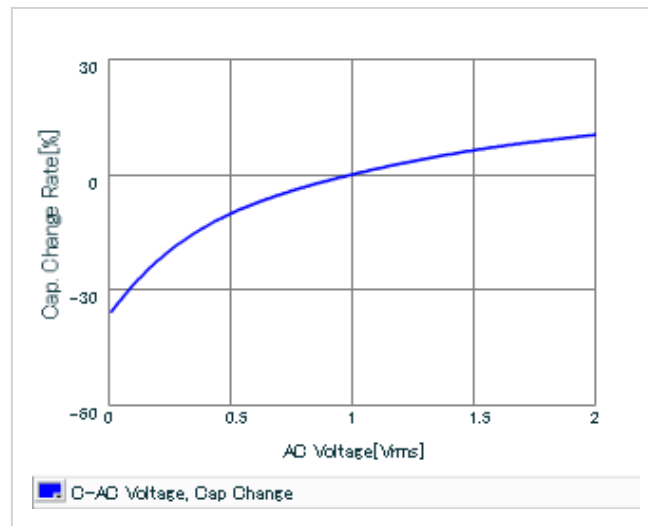
▪ S parameter (Smith chart S11)



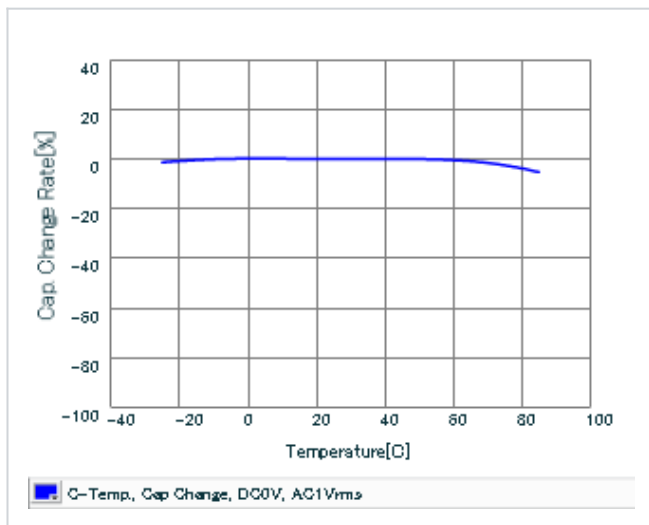
▪ DC bias characteristics



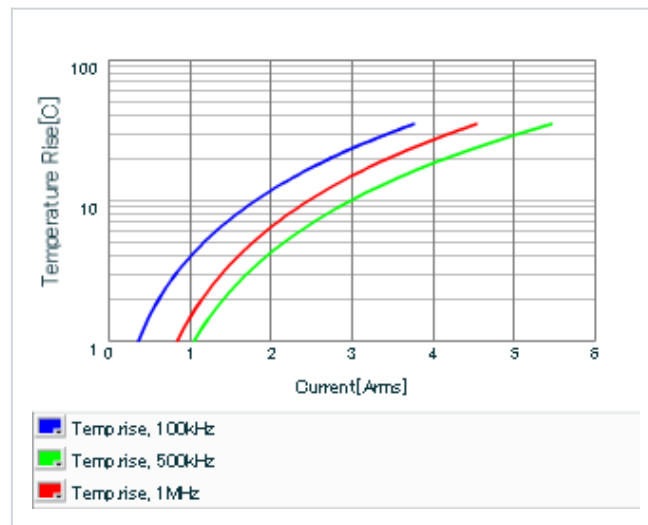
▪ AC voltage characteristics



▪ Capacitance - temperature characteristics



▪ Calorific property by ripple current



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