

# GCM188R71C105KA64#

"#" indicates a package specification code.



< List of part numbers with package codes >  
GCM188R71C105KA64D , GCM188R71C105KA64J

## Shape

|                                       |              |
|---------------------------------------|--------------|
|                                       |              |
| L size                                | 1.6 ± 0.1mm  |
| W size                                | 0.8 ± 0.1mm  |
| T size                                | 0.8 ± 0.1mm  |
| External terminal width e             | 0.2 to 0.5mm |
| Distance between external terminals g | 0.5mm min.   |
| Size code in inch(mm)                 | 0603 (1608)  |

## References

| Packaging | Specifications     | Minimum quantity |
|-----------|--------------------|------------------|
| D         | 180mm Paper taping | 4000             |
| J         | 330mm Paper taping | 10000            |

| Mass (typ.) |       |
|-------------|-------|
| 1 piece     | 6.3mg |
| 180mm Reel  | 144g  |

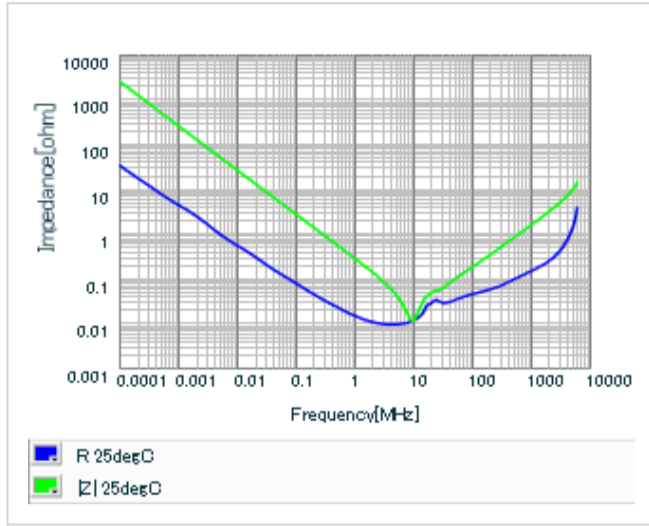
## Specifications

|  |             |
|--|-------------|
| Capacitance                                      | 1.0μF ± 10% |
| Rated voltage                                    | 16Vdc       |
| Temperature characteristics (complied standard)  | X7R(EIA)    |
| Capacitance change rate                          | ± 15.0%     |
| Temperature range of temperature characteristics | -55 to 125  |
| Operating temperature range                      | -55 to 125  |

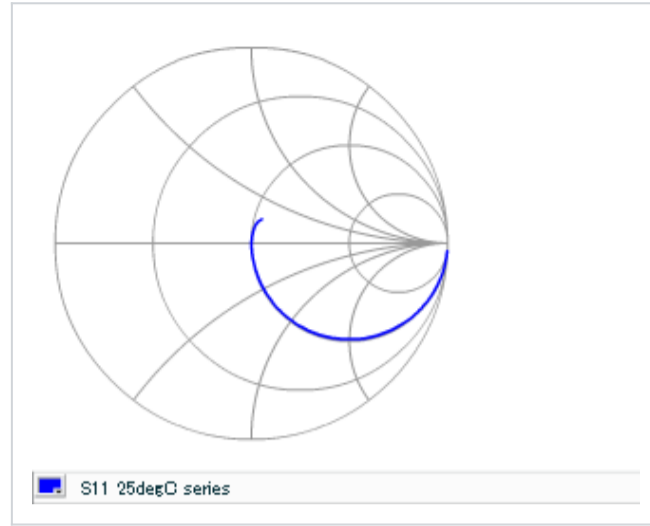
### ⚠ Attention

- 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.

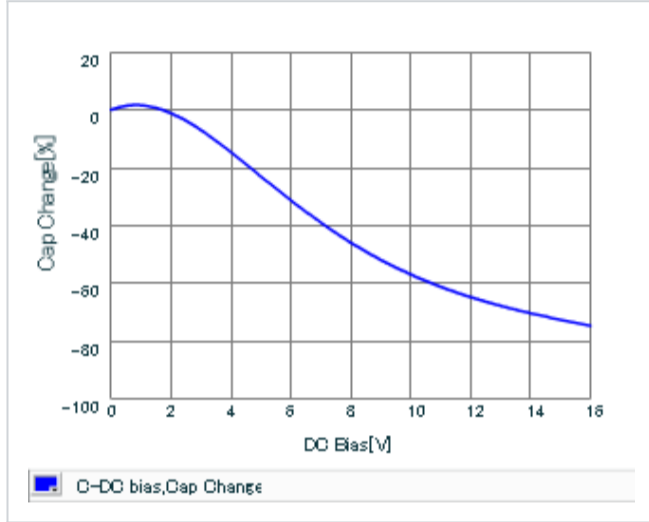
▪ Frequency characteristics (ESR, Impedance)



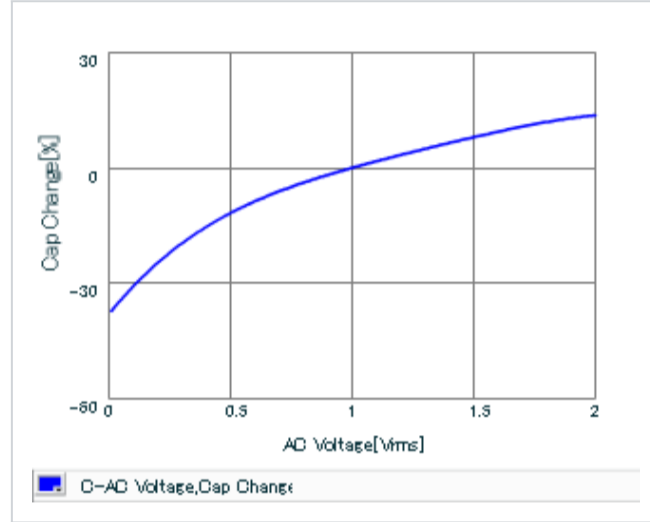
▪ S parameter (Smith chart S11)



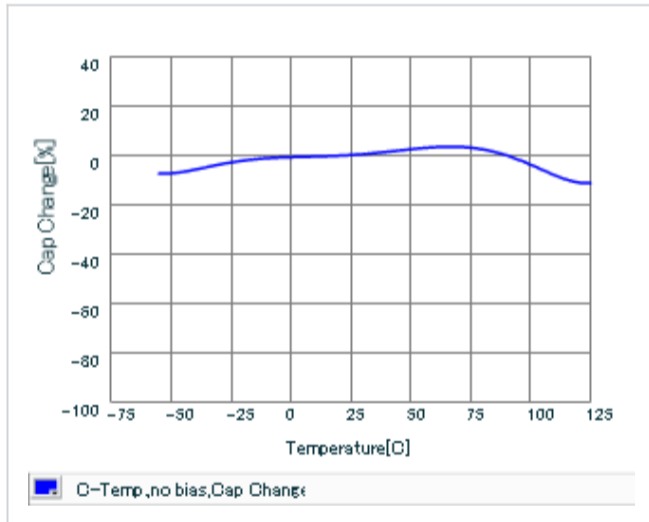
▪ DC bias characteristics



▪ AC voltage characteristics



▪ Capacitance - temperature characteristics



▪ Calorific property by ripple current

