

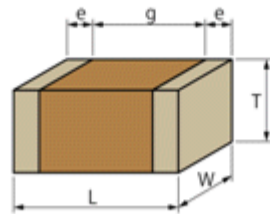
GRM188R61C105KA12#

" # " indicates a package specification code.

Available   Complies with RoHS 

< List of part numbers with package codes >
GRM188R61C105KA12D , GRM188R61C105KA12J

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 mm(inch) | 1608 (0603) |

Specifications

| | |
|--|-------------|
| Capacitance | 1.0µF ± 10% |
| Rated voltage | 16Vdc |
| Temperature characteristics (complied standard) | X5R(EIA) |
| Capacitance change rate | ± 15.0% |
| Temperature range of temperature characteristics | -55 to 85 |
| Operating temperature range | -55 to 85 |

Notes

Volt. & temp. derating recommended product

References

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

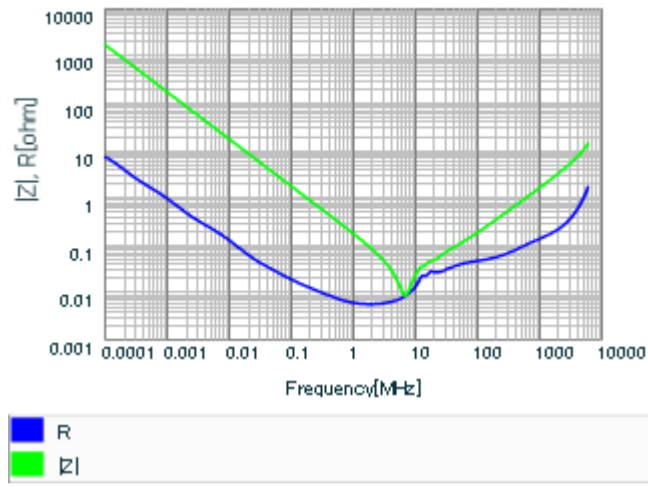
| | Mass (typ.) |
|------------|-------------|
| 1 piece | 6.3mg |
| 180mm Reel | 144g |

⚠ Attention

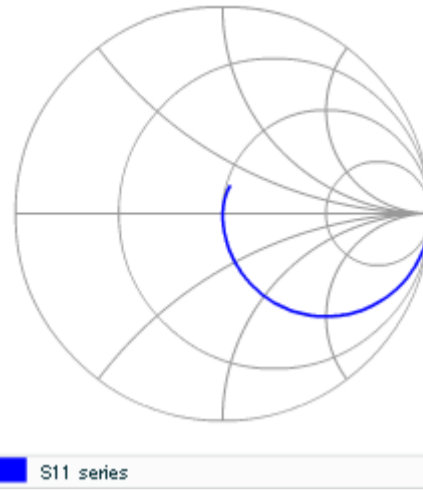
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- This datasheet has only typical specifications because there is no space for detailed specifications. Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.

Chart of characteristic data (The charts below may show another part number which shares its characteristics.)

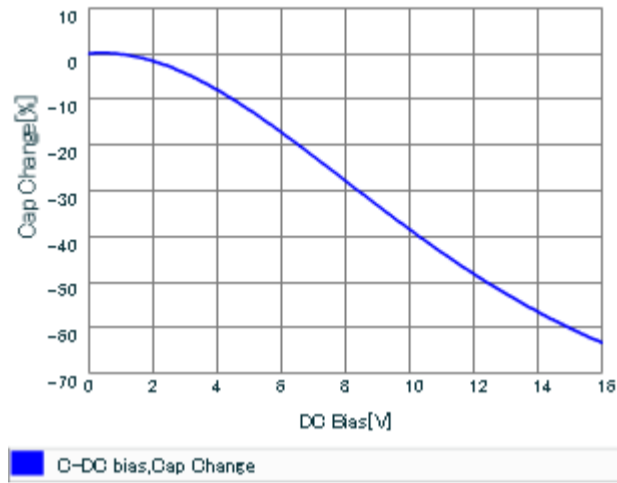
Frequency characteristics (ESR, Impedance)



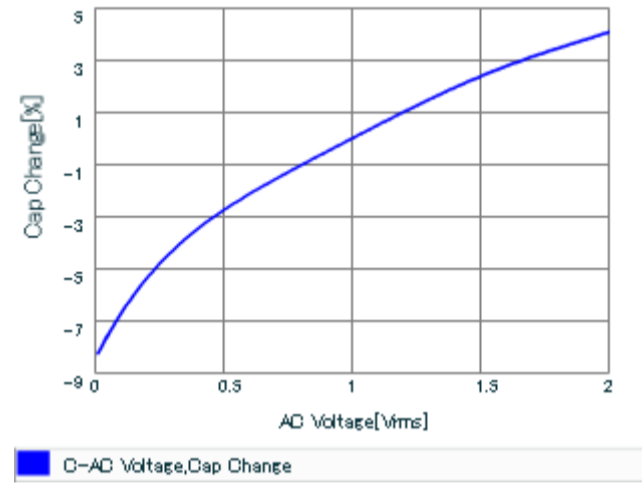
S parameter (Smith chart S11)



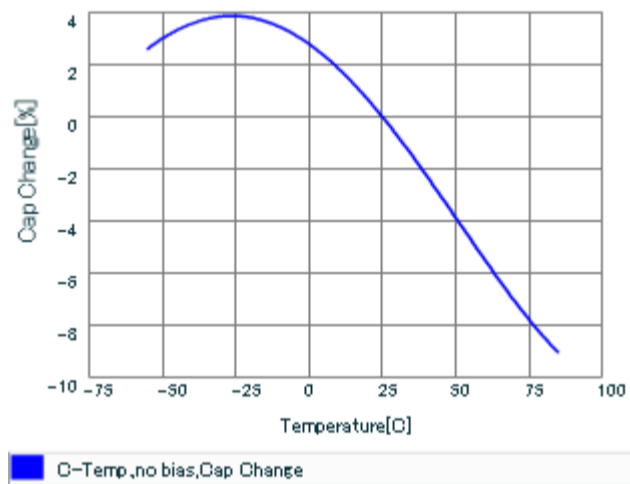
DC bias characteristics



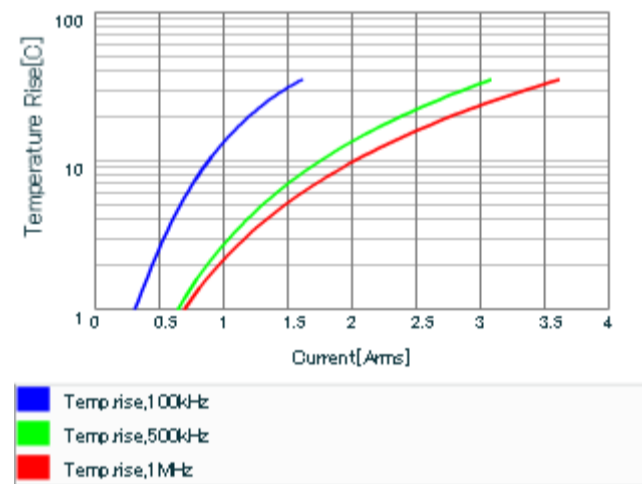
AC voltage characteristics



Capacitance - temperature characteristics



Calorific property by ripple current



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