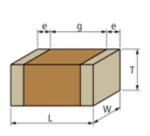


## GRM188R72A681KA01#

Recommended Flow OK Reflow OK with RoHS

< List of part numbers with package codes > GRM188R72A681KA01D , GRM188R72A681KA01J

Shape





"#" indicates a package specification code.

| 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                                      |                |              | 680pF ±10% |
| Rated voltage                                    |                |              | 100Vdc     |
| 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 |
| References                                       |                |              |            |
| Pockaging  | Specifications |              | Minimum    |

| Packaging  | Specifications     |             |       | Minimum quantity |
|------------|--------------------|-------------|-------|------------------|
| D          | 180mm Paper taping |             | 4000  |                  |
| J          | 330mm Paper taping |             | 10000 |                  |
|            |                    |             |       |                  |
|            | М                  | lass (typ.) |       |                  |
| 1 piece    |                    | 6.          | 3mg   |                  |
| 180mm Reel |                    | 14          | 44g   |                  |
|            |                    |             |       |                  |
|            |                    |             |       |                  |

## 🔔 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.

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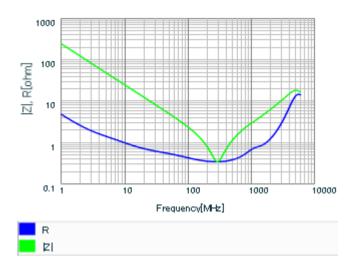
URL : http://www.murata.co.jp/

Last updated: 2013/10/20

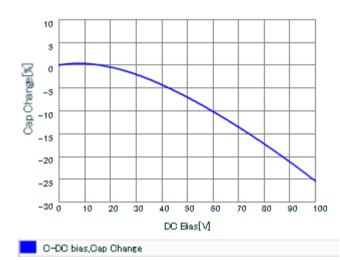
1 of 2

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

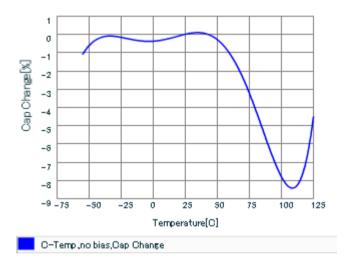
## Frequency characteristics (ESR, Impedance)



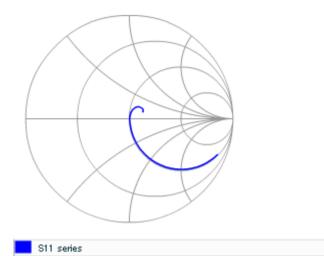
DC bias characteristics



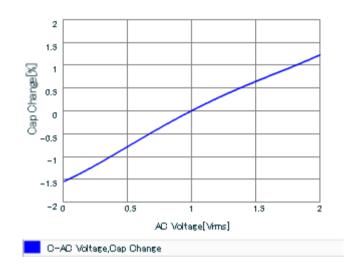
Capacitance - temperature characteristics



S parameter (Smith chart S11)



AC voltage characteristics



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