

GRM155R71H681KA01#

“ # ” indicates a package specification code.

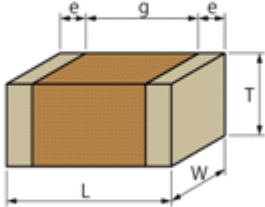
Recommended

Reflow OK

Complies with RoHS

< List of part numbers with package codes >  
GRM155R71H681KA01D , GRM155R71H681KA01J , GRM155R71H681KA01C , GRM155R71H681KA01B

Shape

|                                                                                                                                                                               |                |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| <div></div> |                |
| L size                                                                                                                                                                        | 1.0 ±0.05mm    |
| W size                                                                                                                                                                        | 0.5 ±0.05mm    |
| T size                                                                                                                                                                        | 0.5 ±0.05mm    |
| External terminal width e                                                                                                                                                     | 0.15 to 0.35mm |
| Distance between external terminals g (Min.)                                                                                                                                  | 0.3mm          |
| Size code in mm(inch)                                                                                                                                                         | 1005 (0402)    |

Specifications

|                                                  |              |
|--------------------------------------------------|--------------|
| Capacitance                                      | 680pF ±10%   |
| Rated voltage                                    | 50Vdc        |
| Temperature characteristics (complied standard)  | X7R(EIA)     |
| Capacitance change rate                          | ±15%         |
| Temperature range of temperature characteristics | -55 to 125°C |
| Operating temperature range                      | -55 to 125°C |

References

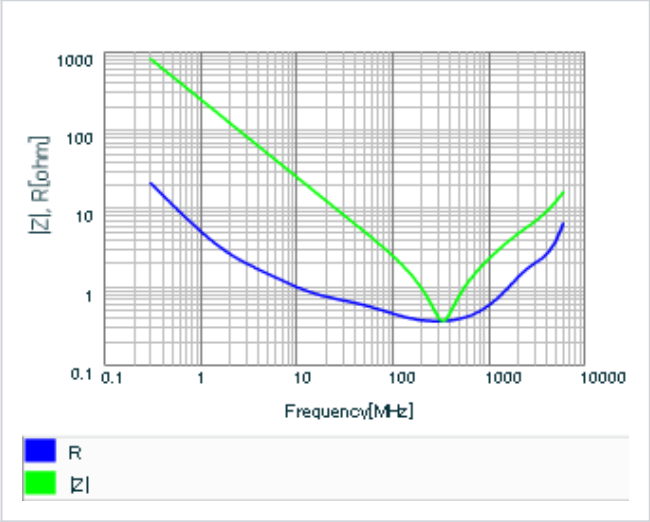
| Packaging | Specifications       | Minimum quantity |
|-----------|----------------------|------------------|
| D         | Paper tape (φ 180mm) | 10000            |
| J         | Paper tape (φ 330mm) | 50000            |
| C         | Bulk case            | 15000            |
| B         | Packing in bulk      | 1000             |

| Mass (typ.)    |       |
|----------------|-------|
| 1 piece        | 1.6mg |
| Reel (φ 180mm) | 118g  |

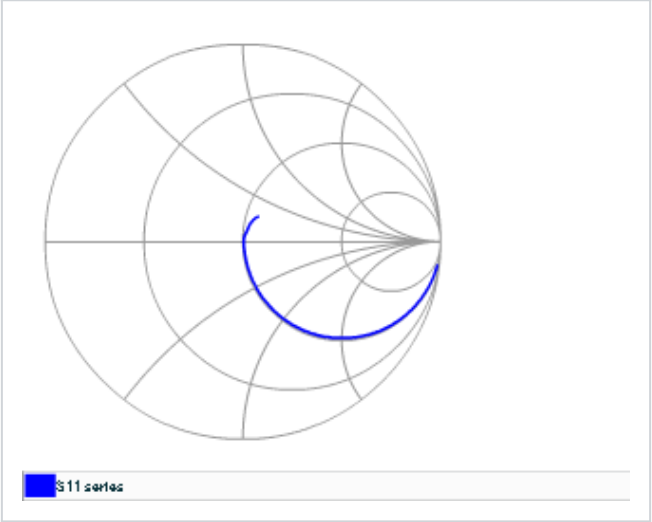
Attention

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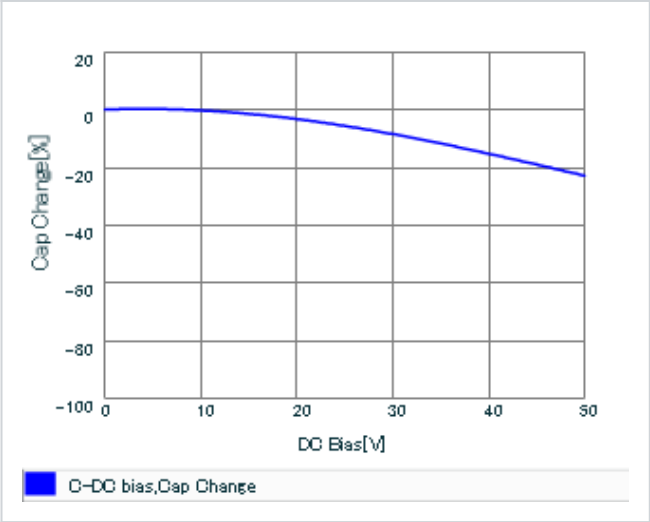
Frequency characteristics (ESR, Impedance)



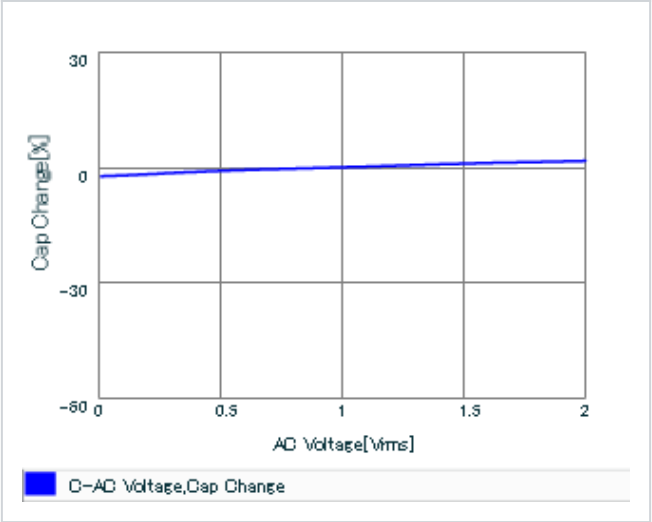
S parameter (Smith chart S11)



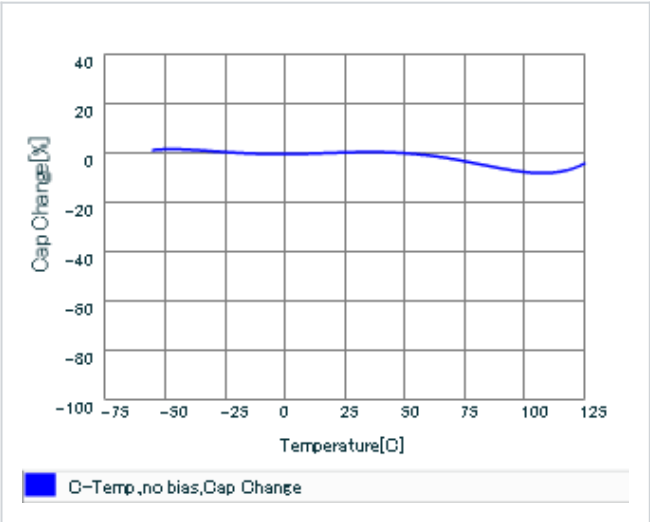
DC bias characteristics



AC voltage characteristics



Capacitance - temperature characteristics



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