

GRM188B31A225ME33#

" # " indicates a package specification code.

In Production

General

85℃

Reflow OK

Flow OK

RoHS

REACH

< List of part numbers with package codes >  
GRM188B31A225ME33D , GRM188B31A225ME33J

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         | φ 180mm Paper taping | 4000             |
| J         | φ 330mm Paper taping | 10000            |

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

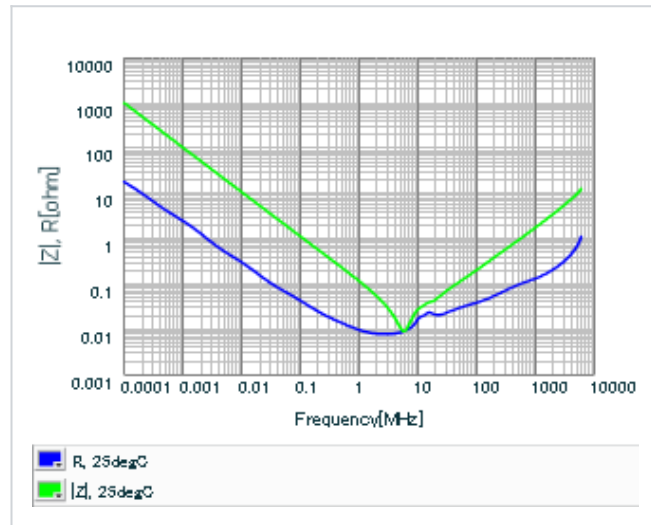
Specifications

|                                                  |             |
|--------------------------------------------------|-------------|
| Capacitance                                      | 2.2μF ± 20% |
| Rated voltage                                    | 10Vdc       |
| 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   |

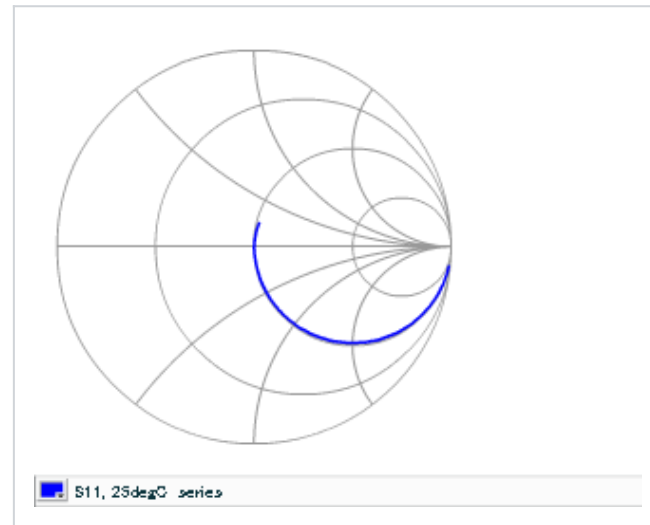
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- 2.This datasheet has only typical specifications because there is no space for detailed specifications.
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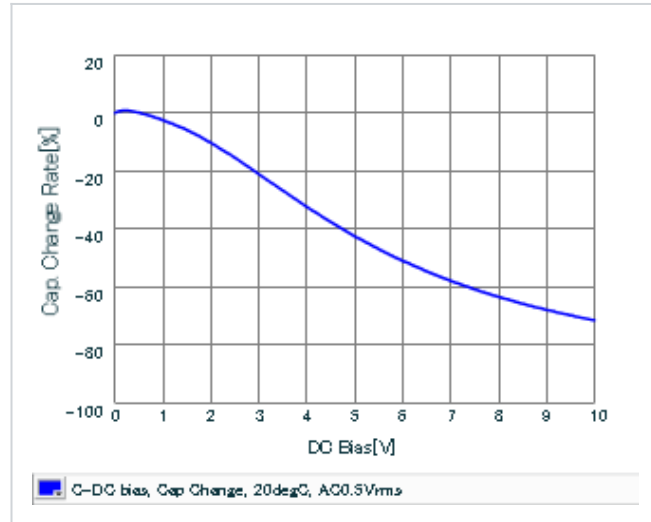
▪ Frequency characteristics (ESR, Impedance)



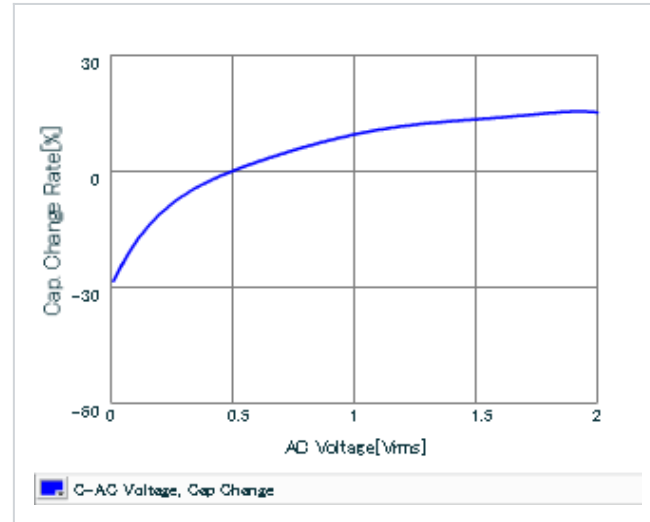
▪ S parameter (Smith chart S11)



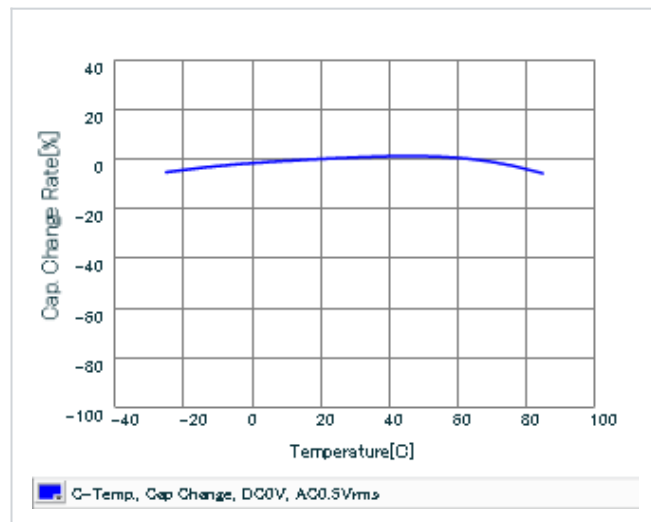
▪ DC bias characteristics



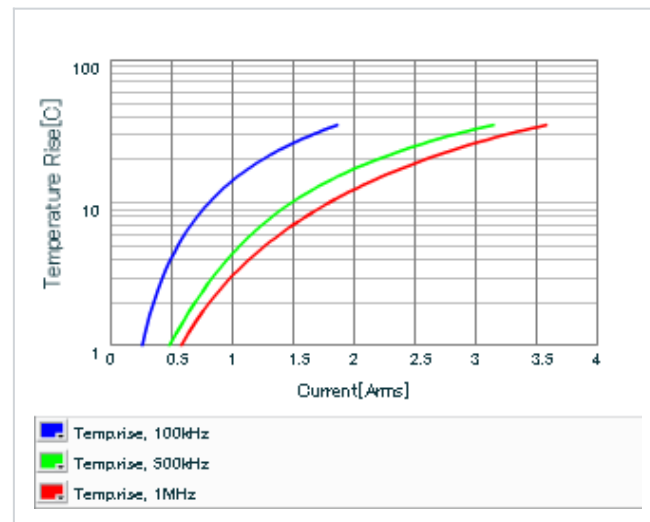
▪ AC voltage characteristics



▪ Capacitance - temperature characteristics



▪ Calorific property by ripple current



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