

# GRM31CD80J107ME8#

“#” at the end indicates the package specification code.

● In Production

Chip Multilayer Ceramic Capacitors for Consumer Electronics & Industrial Equipment

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GRM31CD80J107ME8L, GRM31CD80J107ME8K

### Applications

Unsuitable Applications	Please be sure to read and comply with these " <u>Precautions for use</u> ".
Specific Applications	<p><u>Consumer equipment, Industrial Equipment, Automotive infotainment/comfort equipment, Medical equipment [GHTF A/B/C] except for implant equipment, Mobile Electronics</u></p> <p>Please refer to Our Website and specifications, etc. for information about the performance, functions, quality, management, and safety required for the above applications, and use Products after confirming the performance and reliability of the actual Product.</p>

### Attention

1. This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, its 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.

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## Appearance & Shape



Chip size code (mm/inch)	3216M/1206
Length	3.2mm ±0.3mm
Width	1.6mm ±0.3mm
Thickness	1.6mm ±0.3mm
External terminal size€	0.3 ~ 0.8mm

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## Specifications

Temperature characteristics (complied standard)	EIA
Temperature characteristics	X6T
Temperature range of temperature characteristics	-55 ~ 105°C
Operating Temperature	-55 ~ 105°C
Capacitance	100μF
Tolerance of capacitance	±20%
Rated Voltage DC	6.3Vdc

## References

Packaging	Specifications 	Standard Packing Quantity
L	φ180mm Reel Embossed Tape	2000
K	φ330mm Reel W8P4* Embossed Tape	6000

Mass(Typ.)	
1 piece	64mg

### Attention

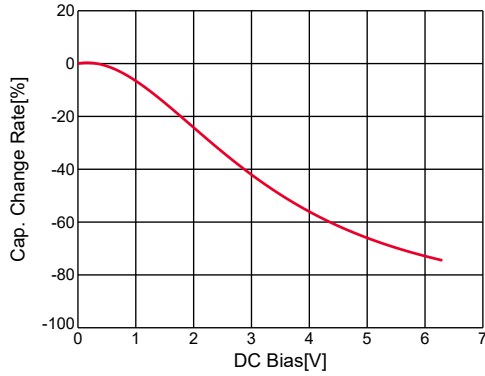
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# GRM31CD80J107MEA8#

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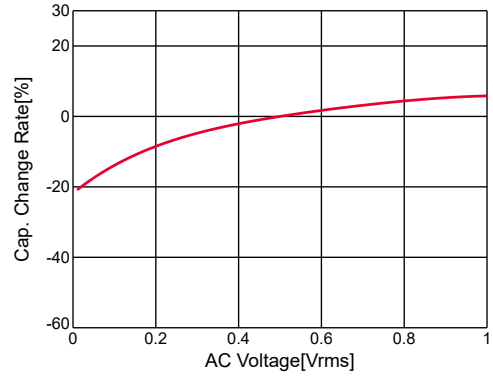
## Basic

### C-DC bias(Cap Change)



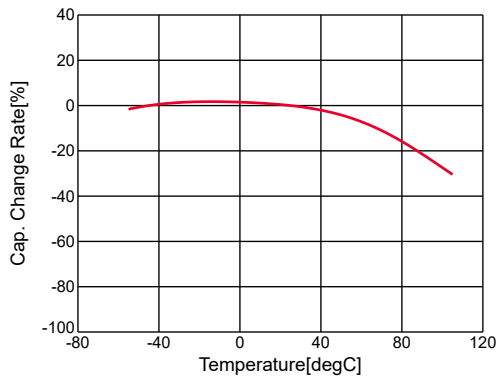
GRM31CD80J107MEA8#,C-DC bias,capchange, 25.0degC, AC0.5Vrms

### C-AC voltage(Cap Change)



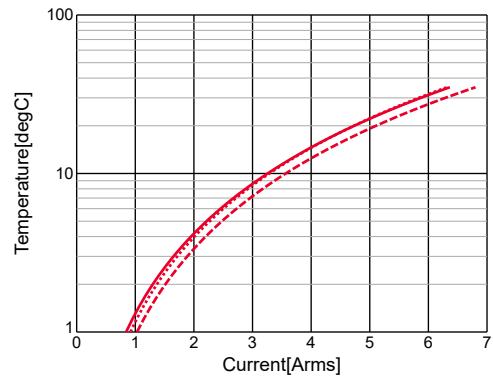
GRM31CD80J107MEA8#,C-AC Voltage,capchange, DC0V, 25.0degC

### C-Temp.(Cap Change)



GRM31CD80J107MEA8#,C-Temp.,capchange, DC0.0V, AC0.5Vrms

### Temp.rise



GRM31CD80J107MEA8#,Temp.rise

50kHz     
  200kHz     
  400kHz

### Attention

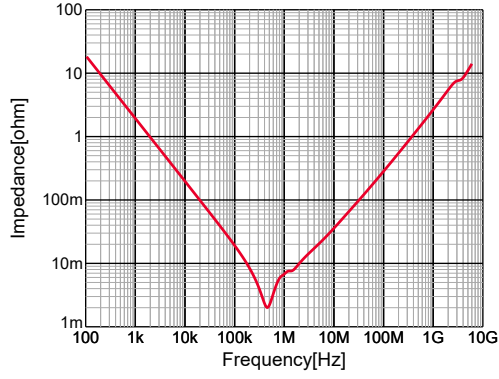
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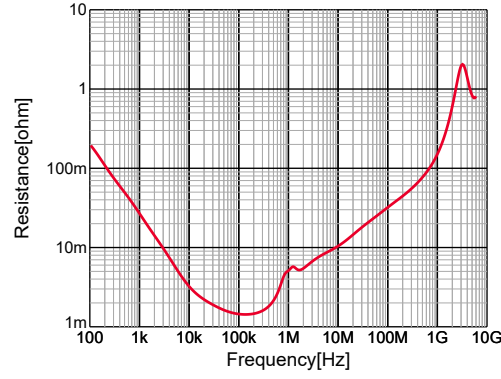
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## Frequency Characteristic

|Z|



R



GRM31CD80J107ME8# ,|Z|,DC0V,25degC

GRM31CD80J107ME8# ,R,DC0V,25degC

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