

# GRM31CD80J107MEA8#

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



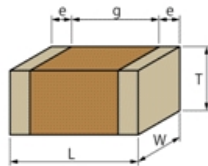
## < List of part numbers with package codes >

GRM31CD80J107MEA8L      GRM31CD80J107MEA8K

## Applications

Unsuitable Applications	Please be sure to read and comply with these "Precautions for use."
Specific Applications	Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment, Automotive infotainment/comfort equipment 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.

## Appearance & Shape



## Notices

Derating1

## References

Packaging	Specifications	Standard Packing Quantity
L	180 Embossed Tape	2000
K	330 Embossed Tape	6000

Mass (typ.)	
1 piece	64.0mg

**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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## Specifications

Length	3.2±0.3mm
Width	1.6±0.3mm
Thickness	1.6±0.3mm
Capacitance	100µF ±20%
Distance between external terminals g	1.5mm min.
External terminal size e	0.3 to 0.8mm
Operating Temperature Range	-55°C to 105°C
Rated Voltage	6.3Vdc
Size code in inch(mm)	1206 (3216M)
Capacitance change rate	+22.0/-33.0%
Temperature characteristics (complied standard)	X6T(EIA)
Temperature range of temperature characteristics	-55°C to 105°C

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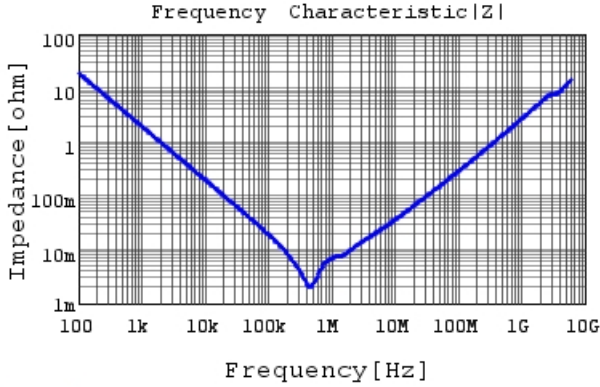
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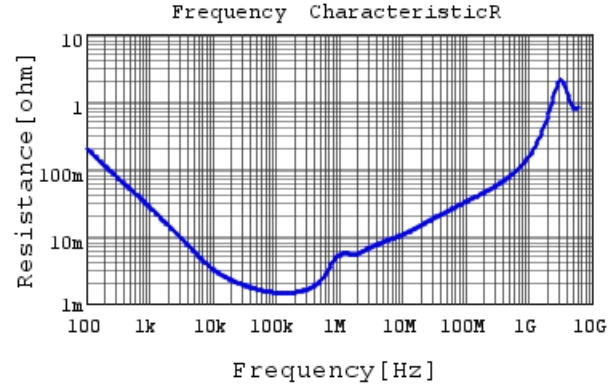


## Characteristic Data

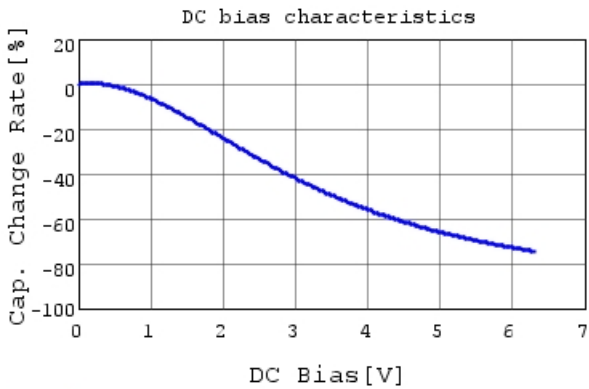
The charts below may show another part number which shares its characteristics.



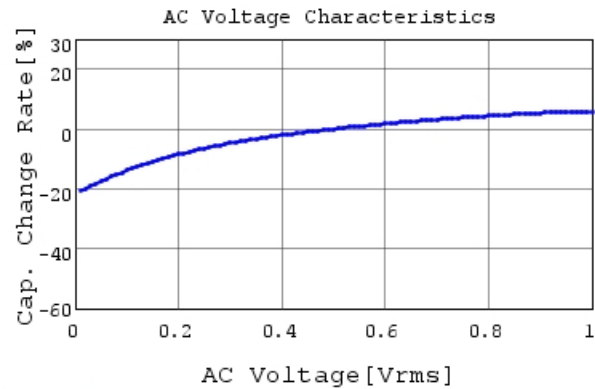
GRM31CD80J107MEA8 |Z| DCOV, 25degC



GRM31CD80J107MEA8 R DCOV, 25degC



GRM31CD80J107MEA8 C-DC bias capchange, 25.0c



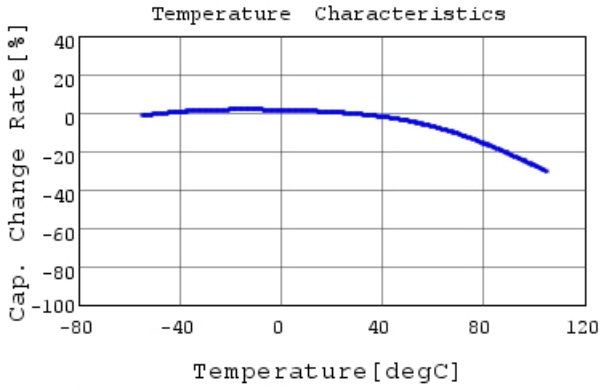
GRM31CD80J107MEA8 C-AC Voltage capchange, Dc

**Attention**

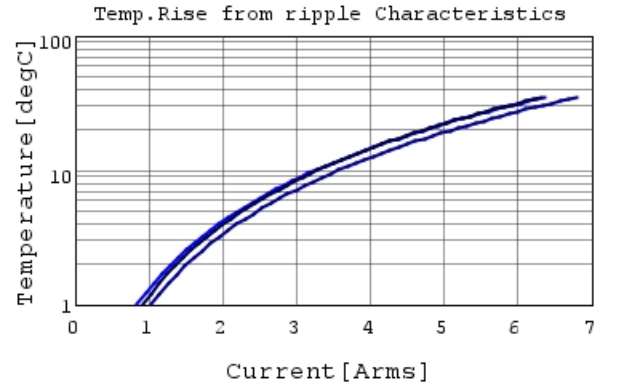
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GRM31CD80J107MEA8 C-Temp. capchange, DC0.0V,



GRM31CD80J107MEA8 Temp.rise — 50kHz

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