

# GRM31CR71C106KA12#

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

● To be discontinued

Chip Multilayer Ceramic Capacitors for Consumer Electronics & Industrial Equipment

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Please use alternative.

GRM31CR71C106KA12L, GRM31CR71C106KA12K

Last Time Order Due	End of Production	Alternative Products
		> <a href="#">GRM31CR71C106KAC7#</a>

### Applications

Unsuitable Applications	Please be sure to read and comply with these " <a href="#">Precautions for use</a> ".
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 ±0.2mm
Width	1.6mm ±0.2mm
Thickness	1.6mm ±0.2mm
External terminal size€	0.3 ~ 0.8mm

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## Specifications

Temperature characteristics (complied standard)	EIA
Temperature characteristics	X7R
Temperature range of temperature characteristics	-55 ~ 125°C
Operating Temperature	-55 ~ 125°C
Capacitance	10μF
Tolerance of capacitance	±10%
Rated Voltage DC	16Vdc

## References

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

Mass(Typ.)	
1 piece	52mg

### Attention

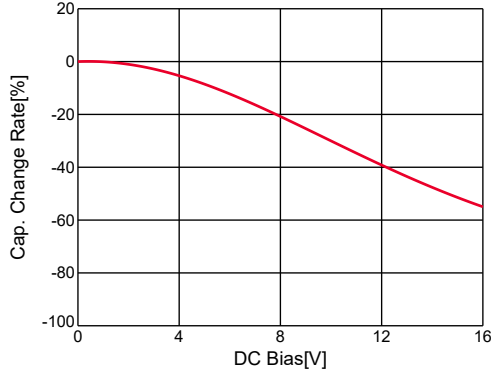
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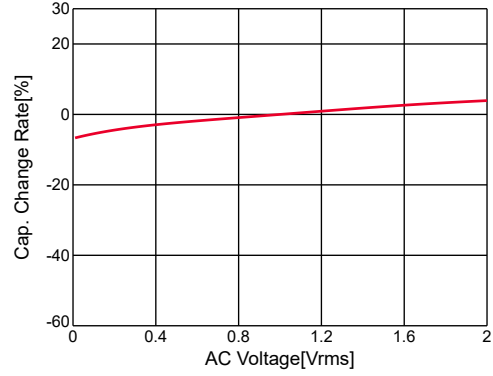
## Basic

### C-DC bias(Cap Change)



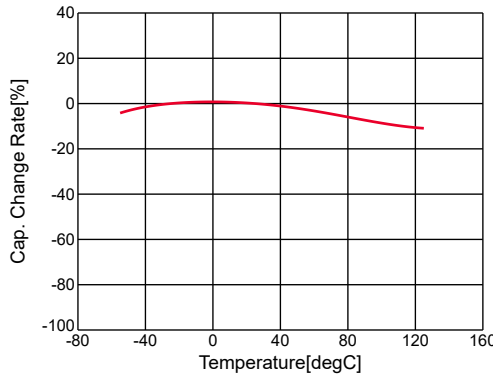
GRM31CR71C106KA12#,C-DC bias,capchange, 25.0degC, AC1Vrms

### C-AC voltage(Cap Change)



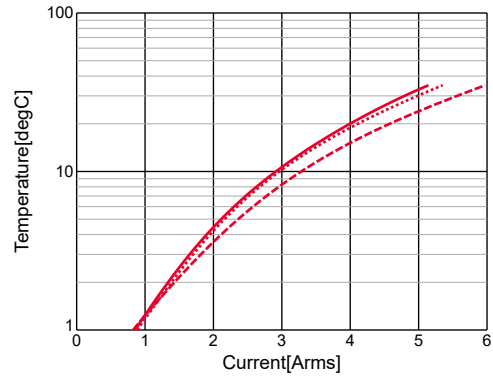
GRM31CR71C106KA12#,C-AC Voltage,capchange, DC0V, 25.0degC

### C-Temp.(Cap Change)



GRM31CR71C106KA12#,C-Temp.,capchange, DC0.0V, AC0.1Vrms

### Temp.rise



GRM31CR71C106KA12#,Temp.rise

100kHz     
  500kHz     
  1MHz

### Attention

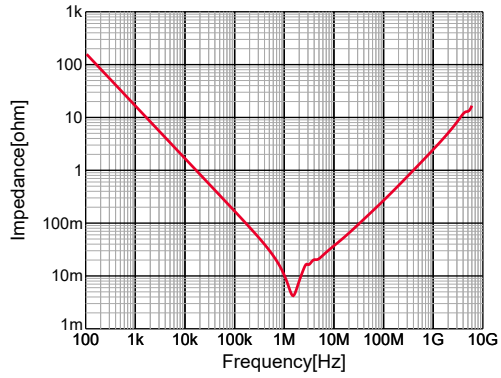
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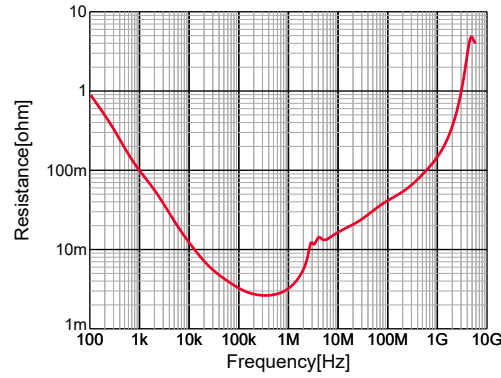
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## Frequency Characteristic

|Z|



R



GRM31CR71C106KA12#,|Z|,DC0V,25degC

GRM31CR71C106KA12#,R,DC0V,25degC

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